

FIG. 1

LC - 2
A - 2
LC - 1
A - 1
TRANSPARENT SUPPORT 1

FIG. 2

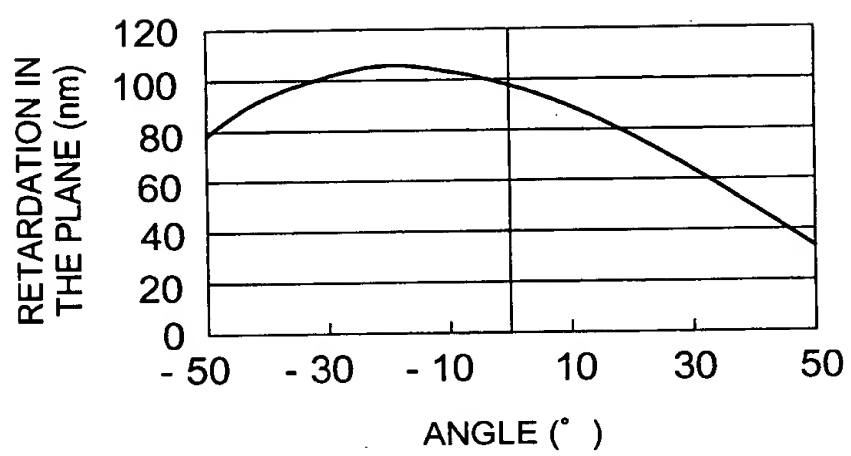
LC - 2
ADHESIVE LAYER
LC - 2
A - 2
TRANSPARENT SUPPORT 1

FIG. 3

LC - 1
A - 1
TRANSPARENT SUPPORT 1
A - 1
LC - 1

TOP SECRET

FIG. 4



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FIG. 5 (a)

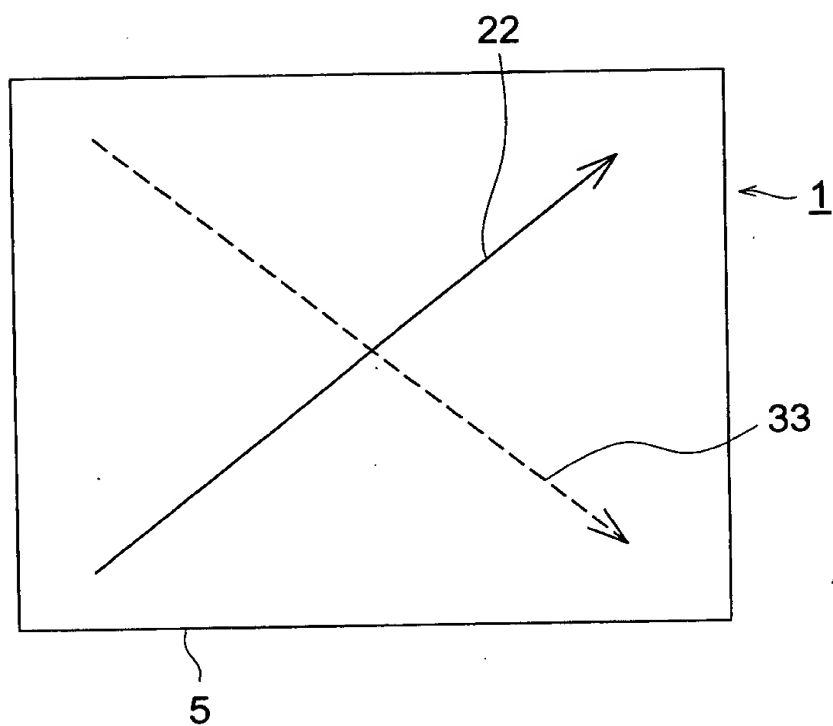
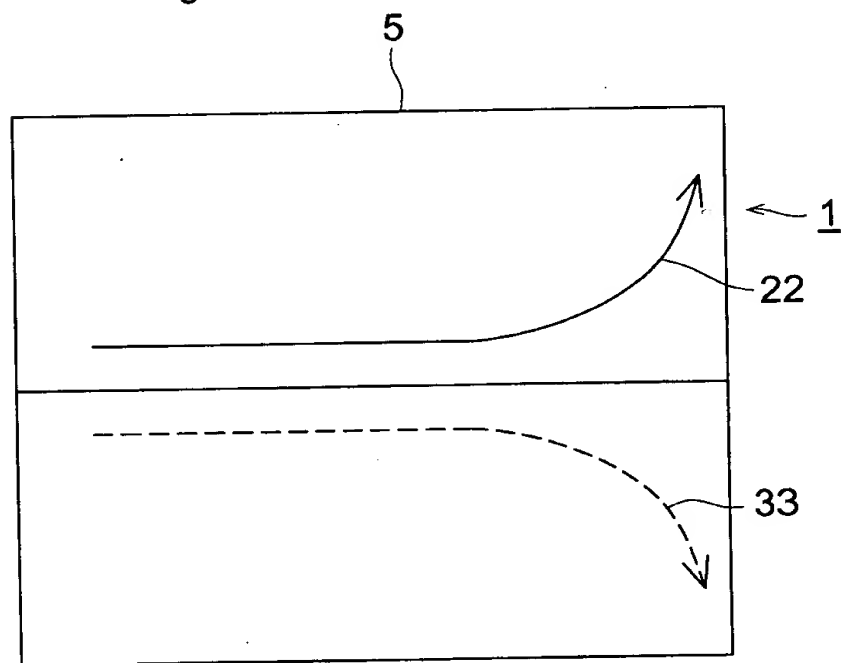


FIG. 5 (b)



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FIG. 6 (a)

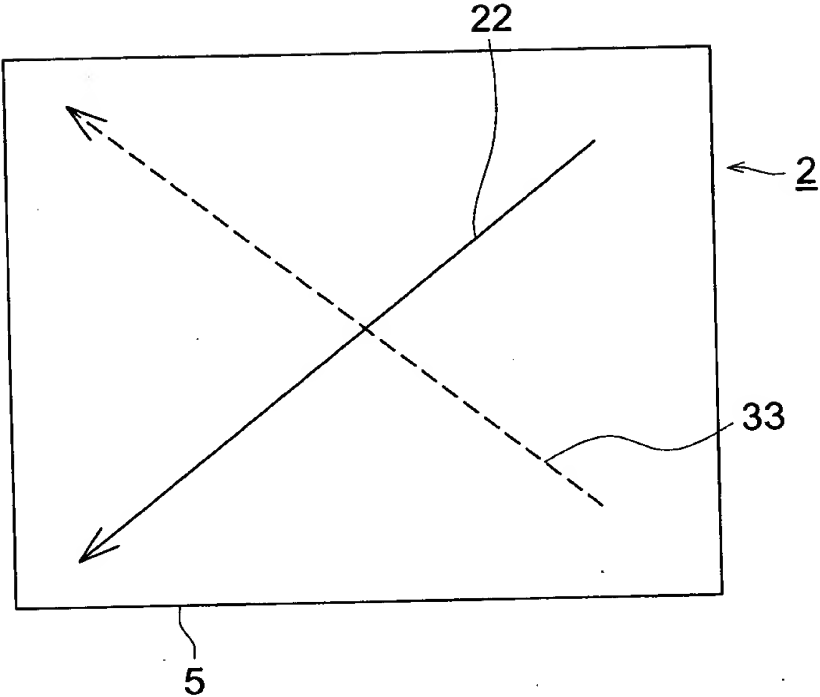
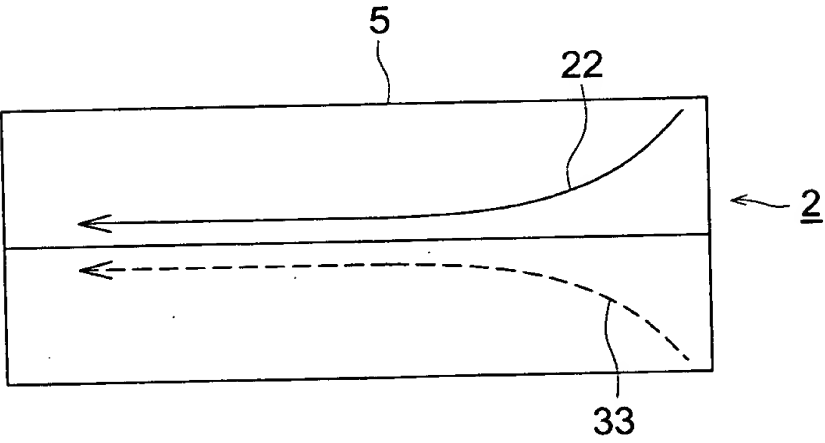


FIG. 6 (b)



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FIG. 7 (a)

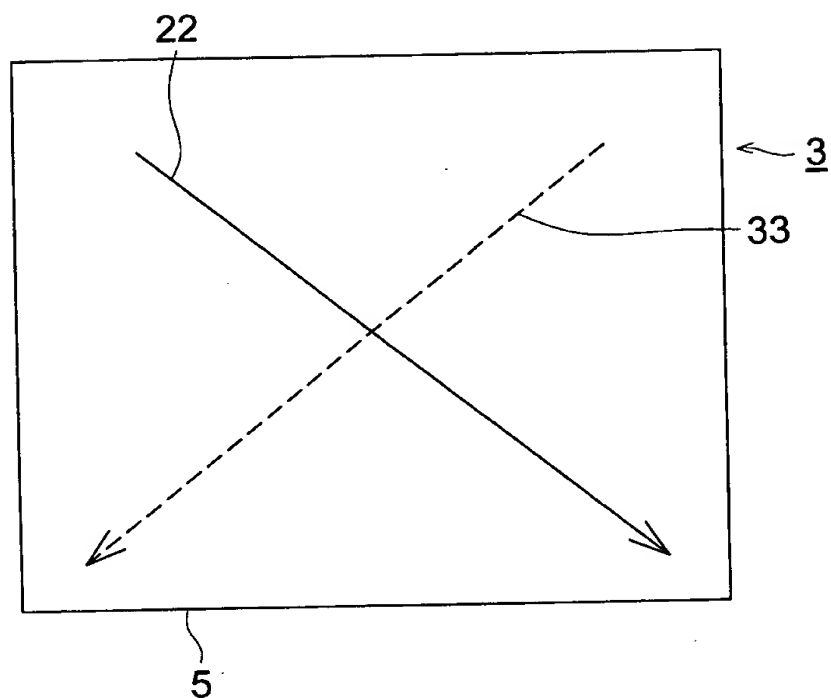


FIG. 7 (b)

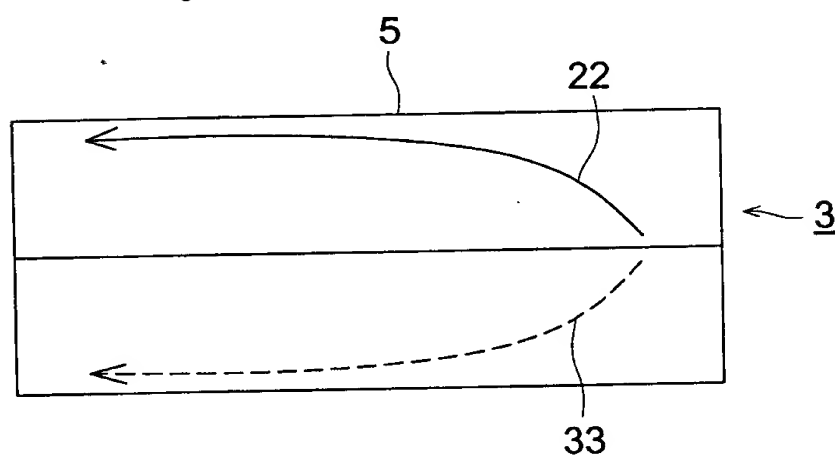
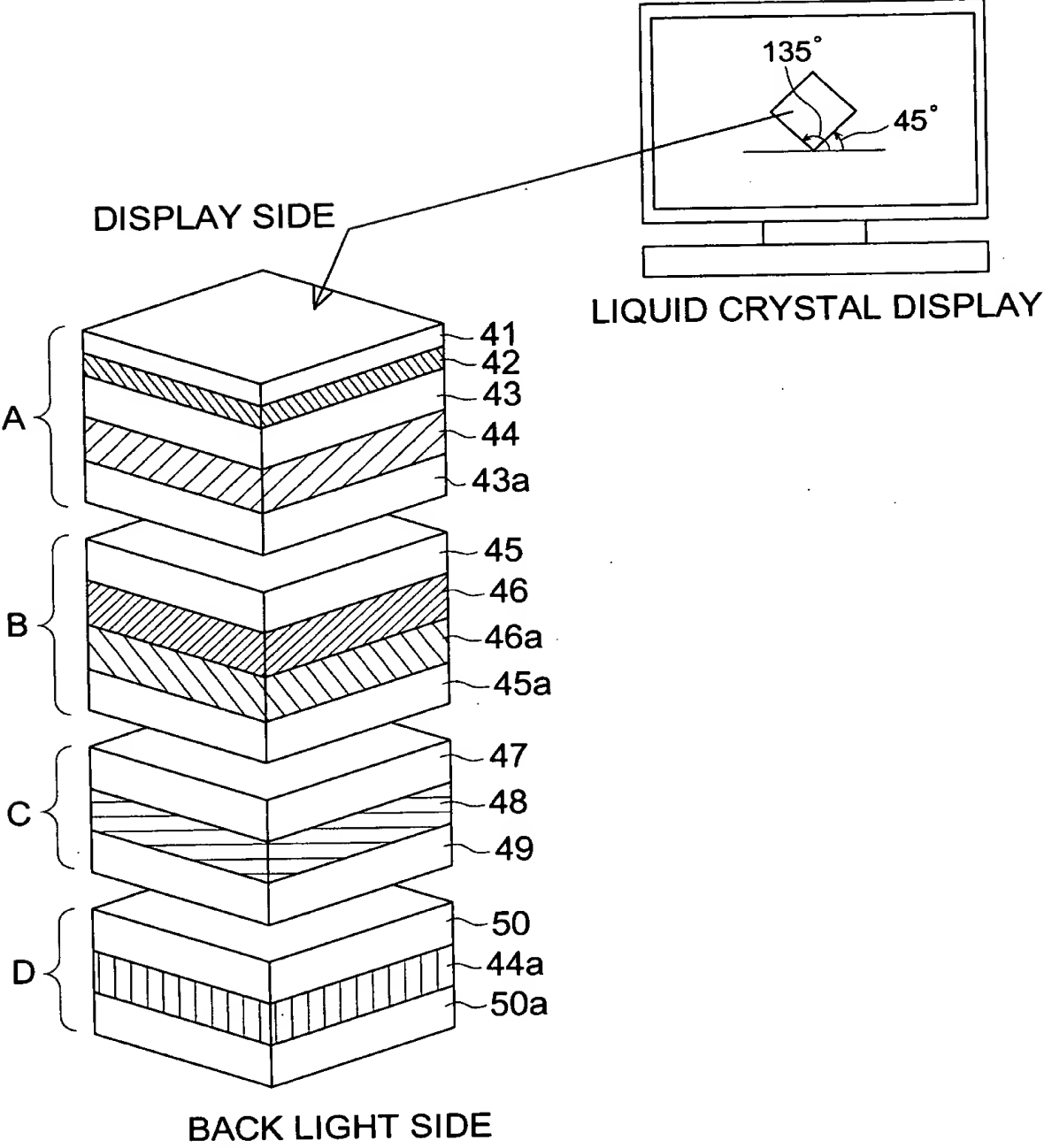


FIG. 8



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FIG. 9

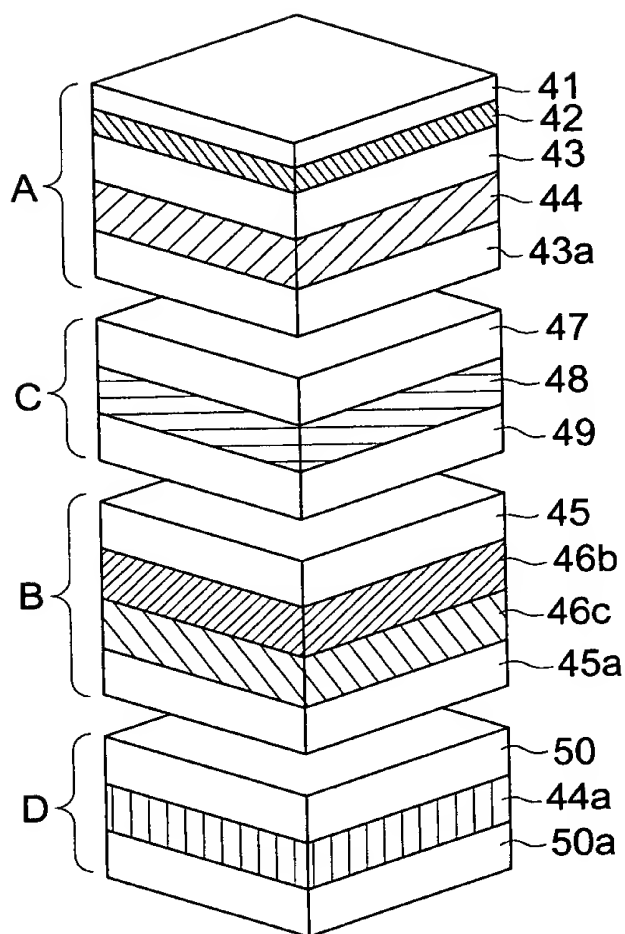


FIG. 10 (a)

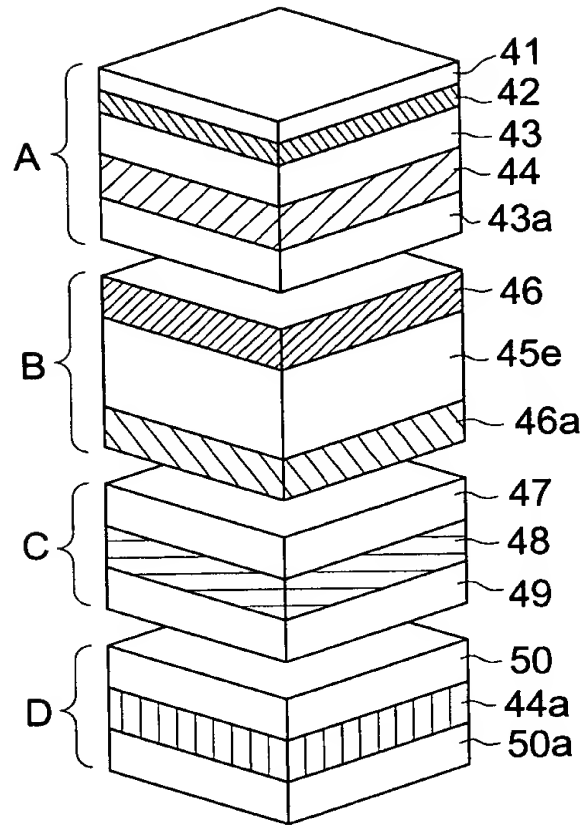


FIG. 10 (b)

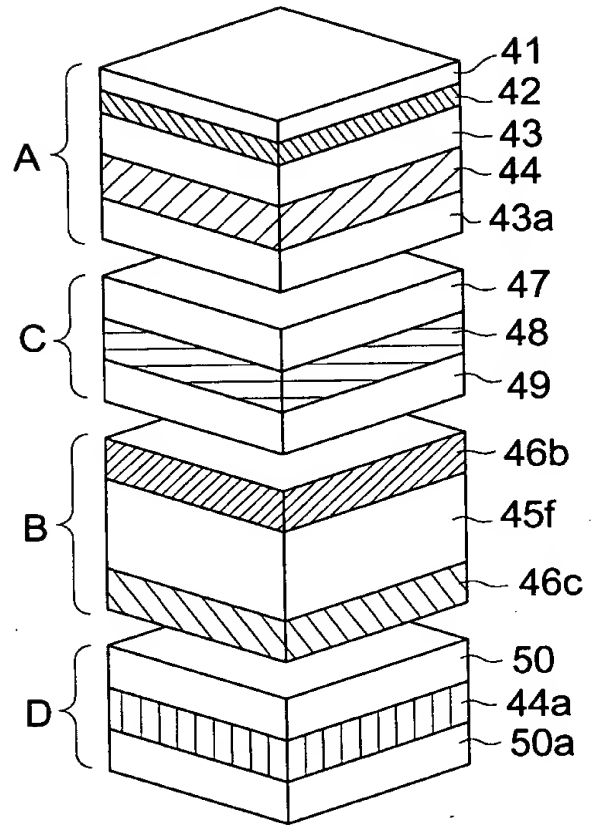


FIG. 11 (a)

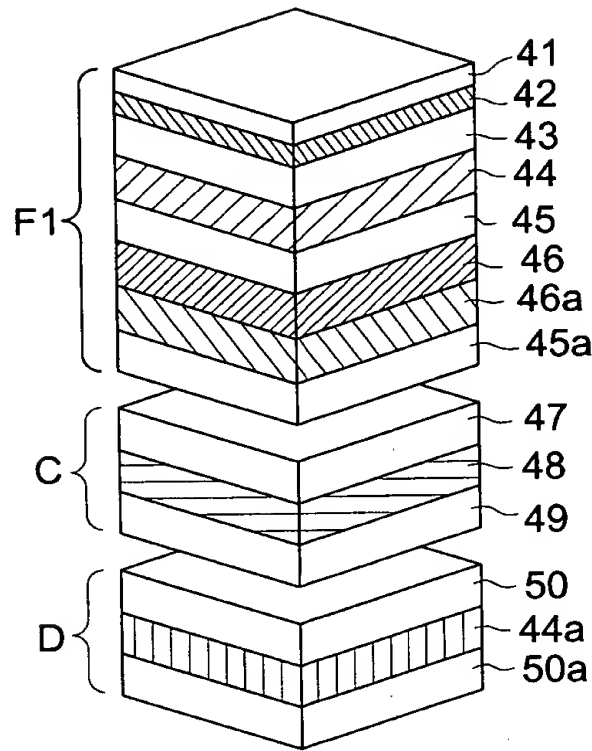
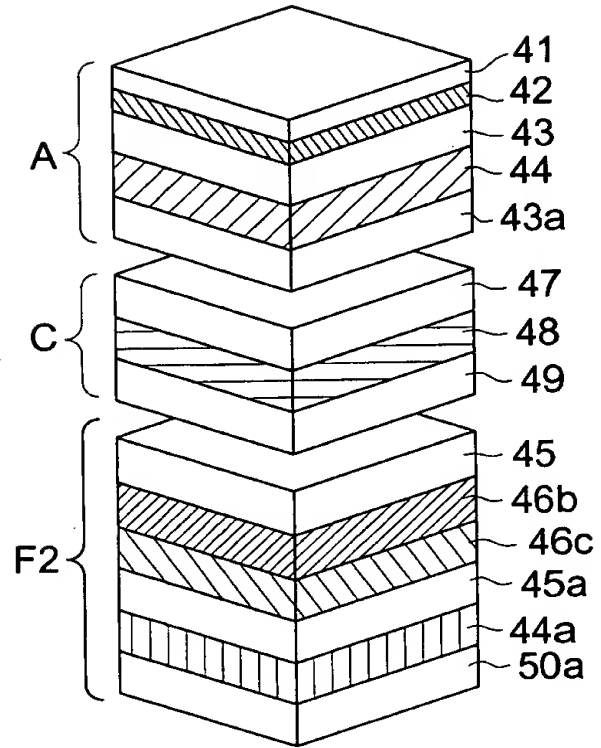


FIG. 11 (b)



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FIG. 12 (a)

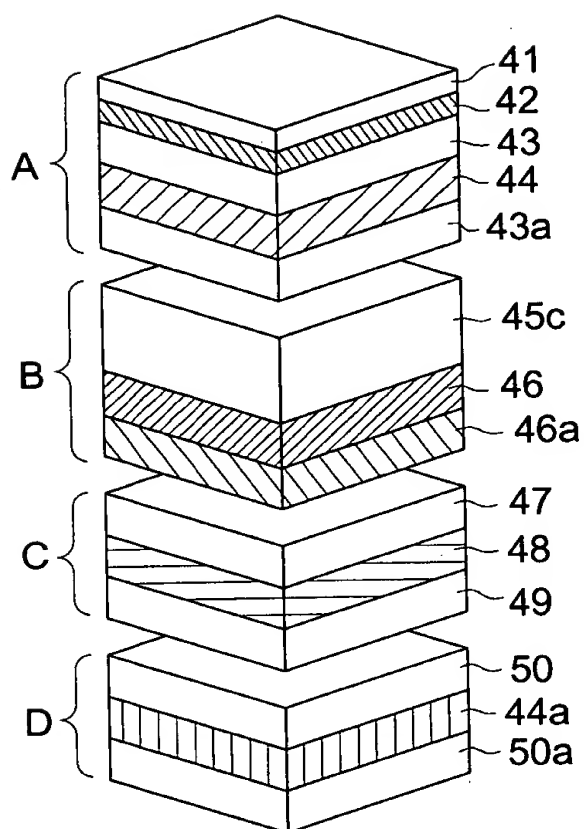


FIG. 12 (b)

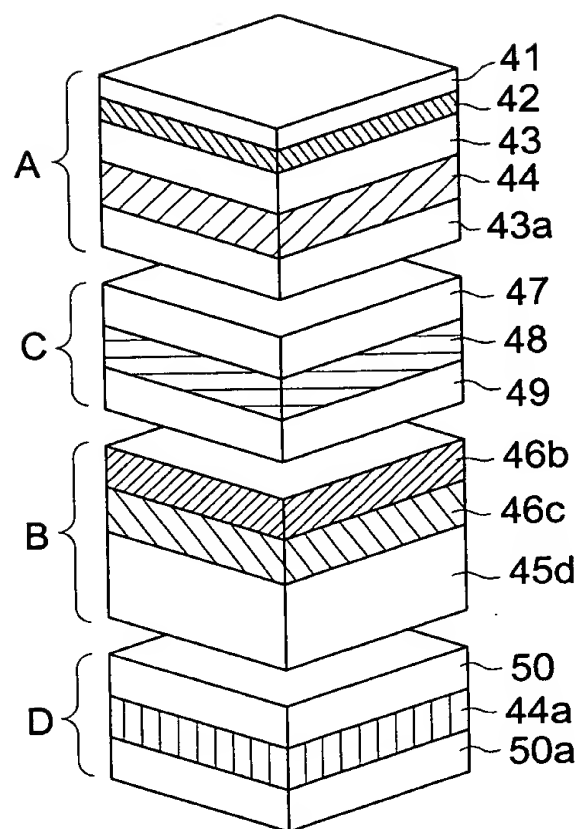


FIG. 12 (a)

FIG. 13 (a)

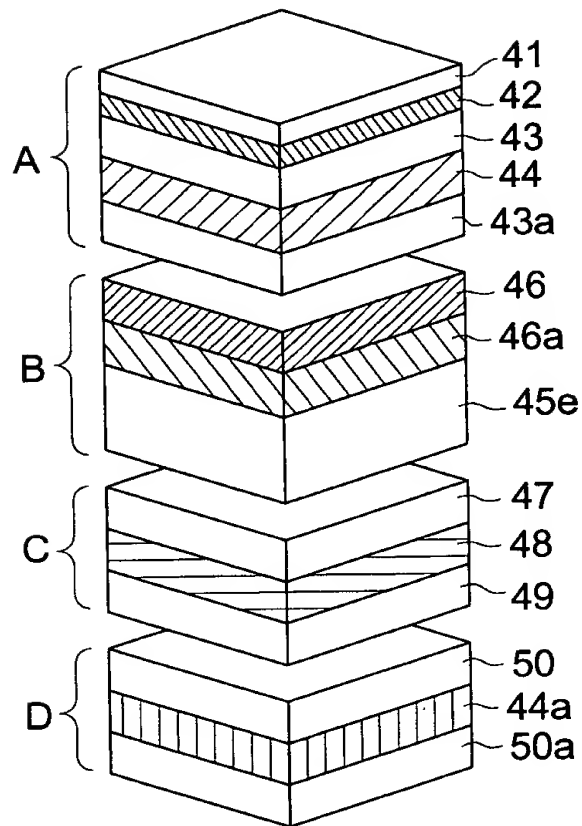


FIG. 13 (b)

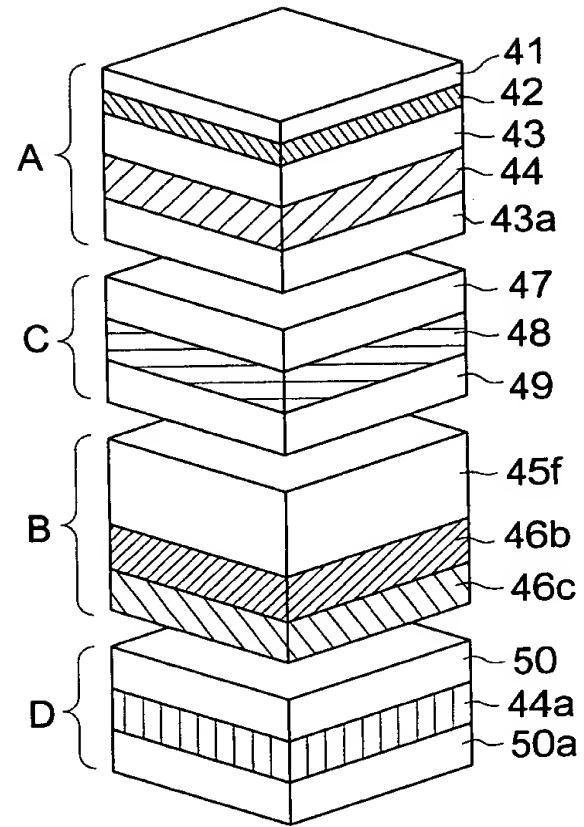


FIG. 14 (a)

FIG. 14 (b)

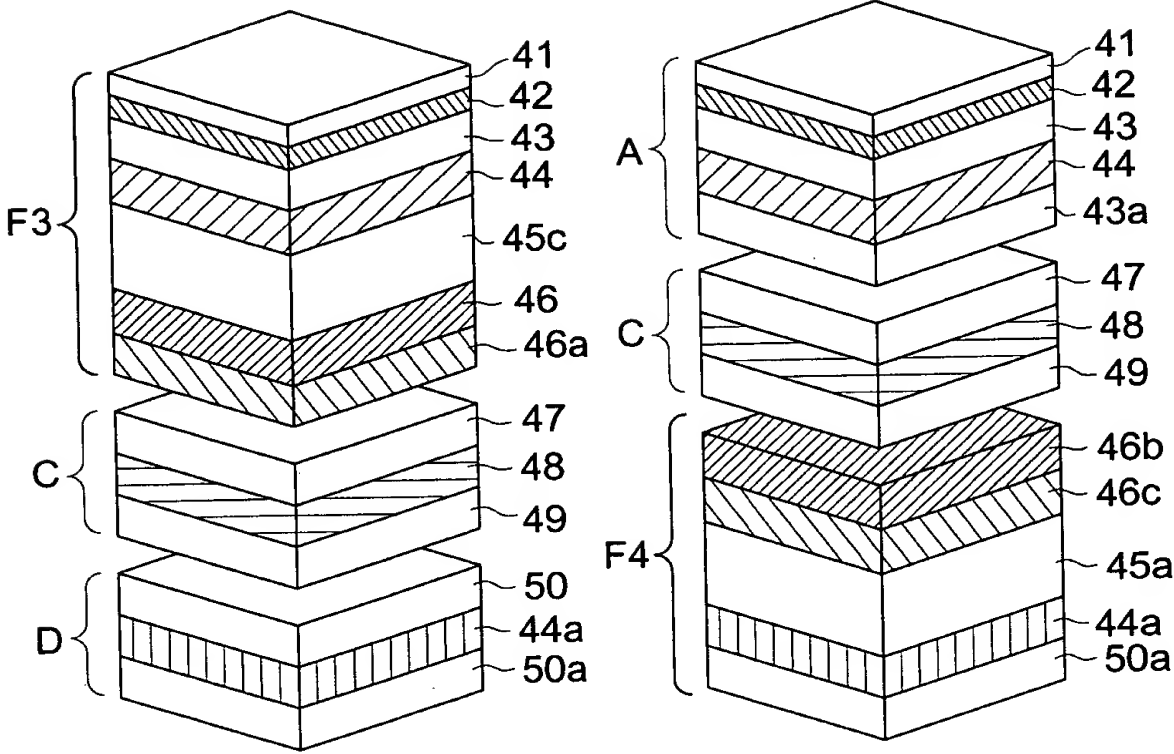


FIG. 14 (a)

FIG. 15

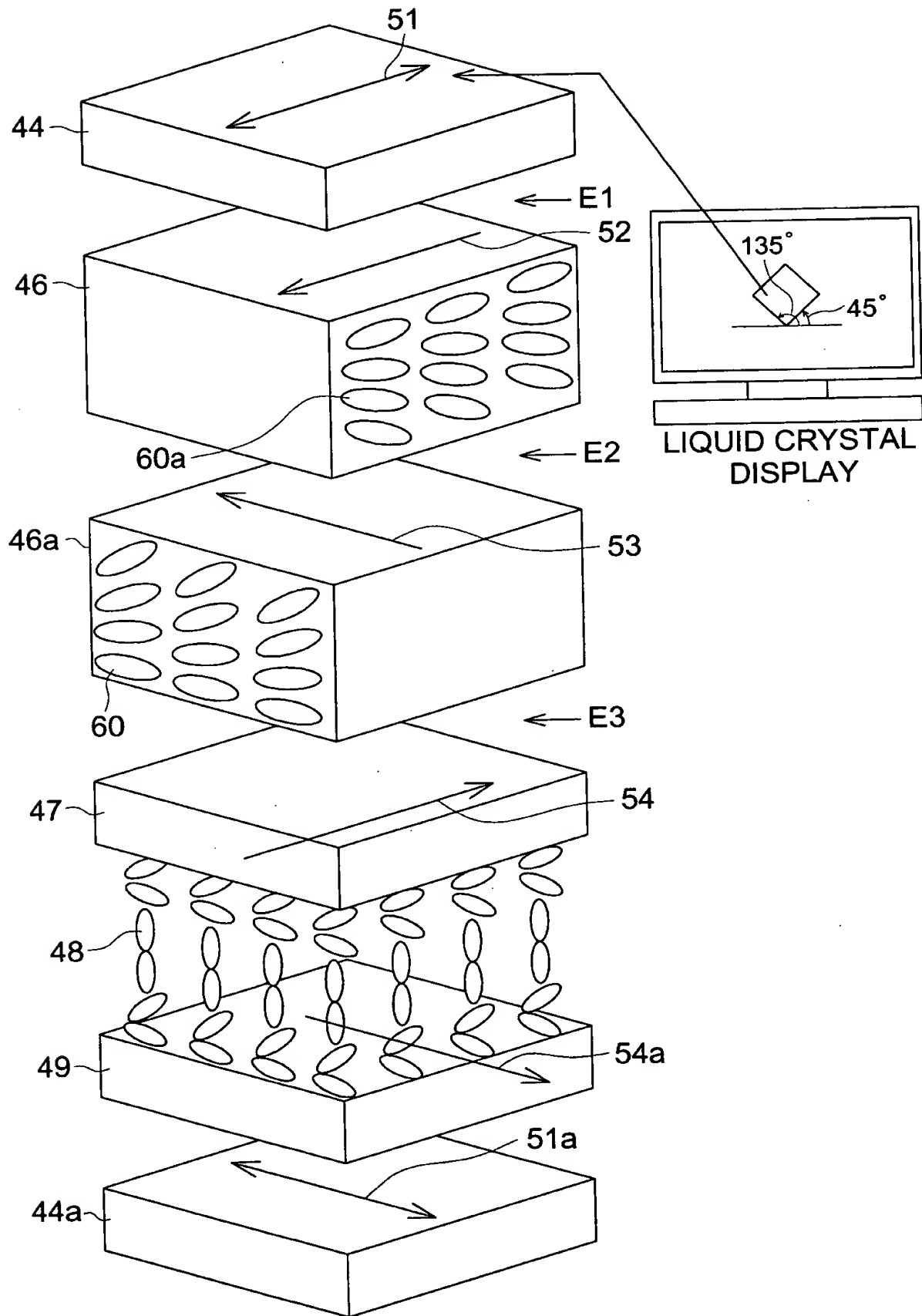
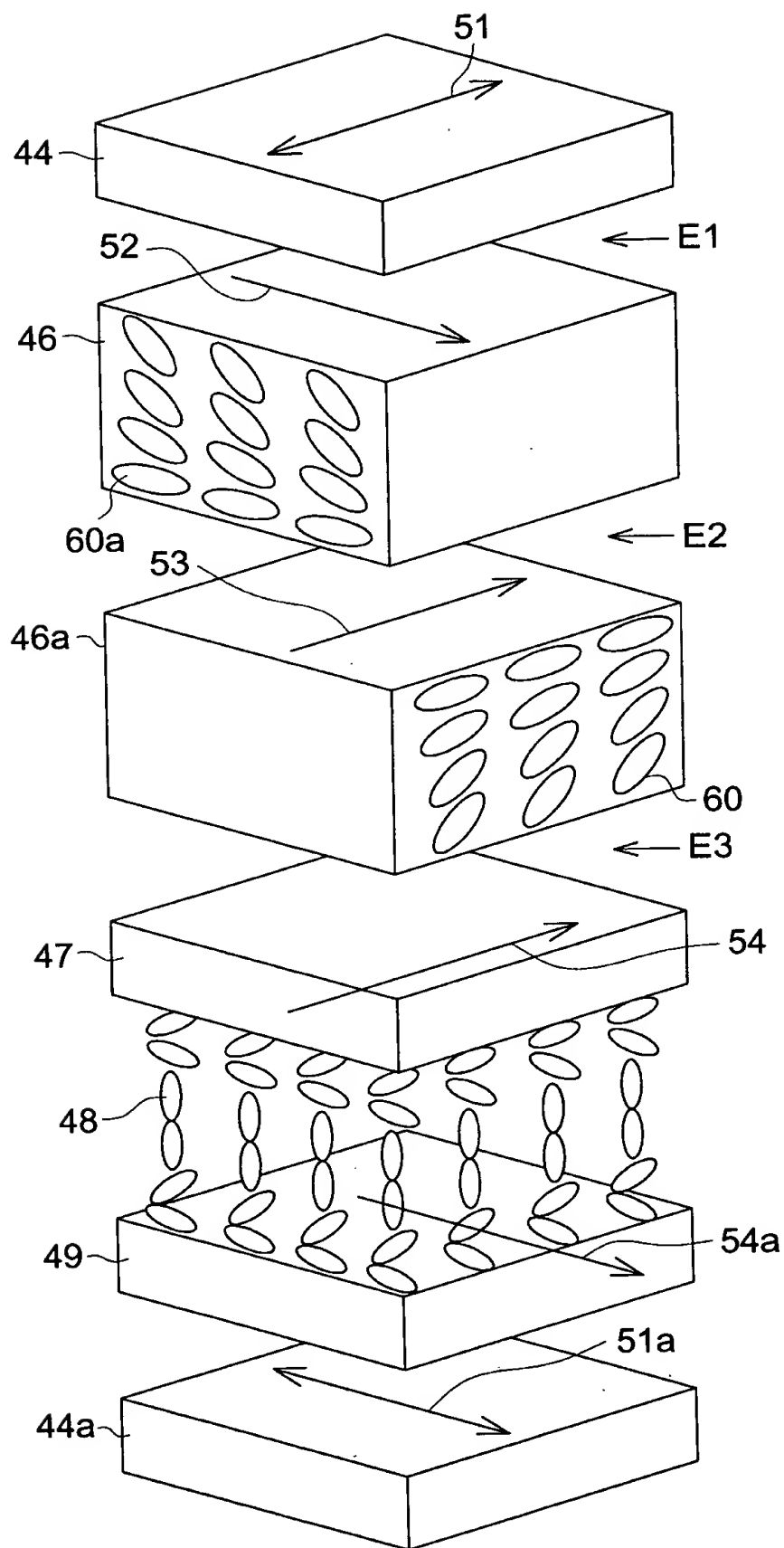


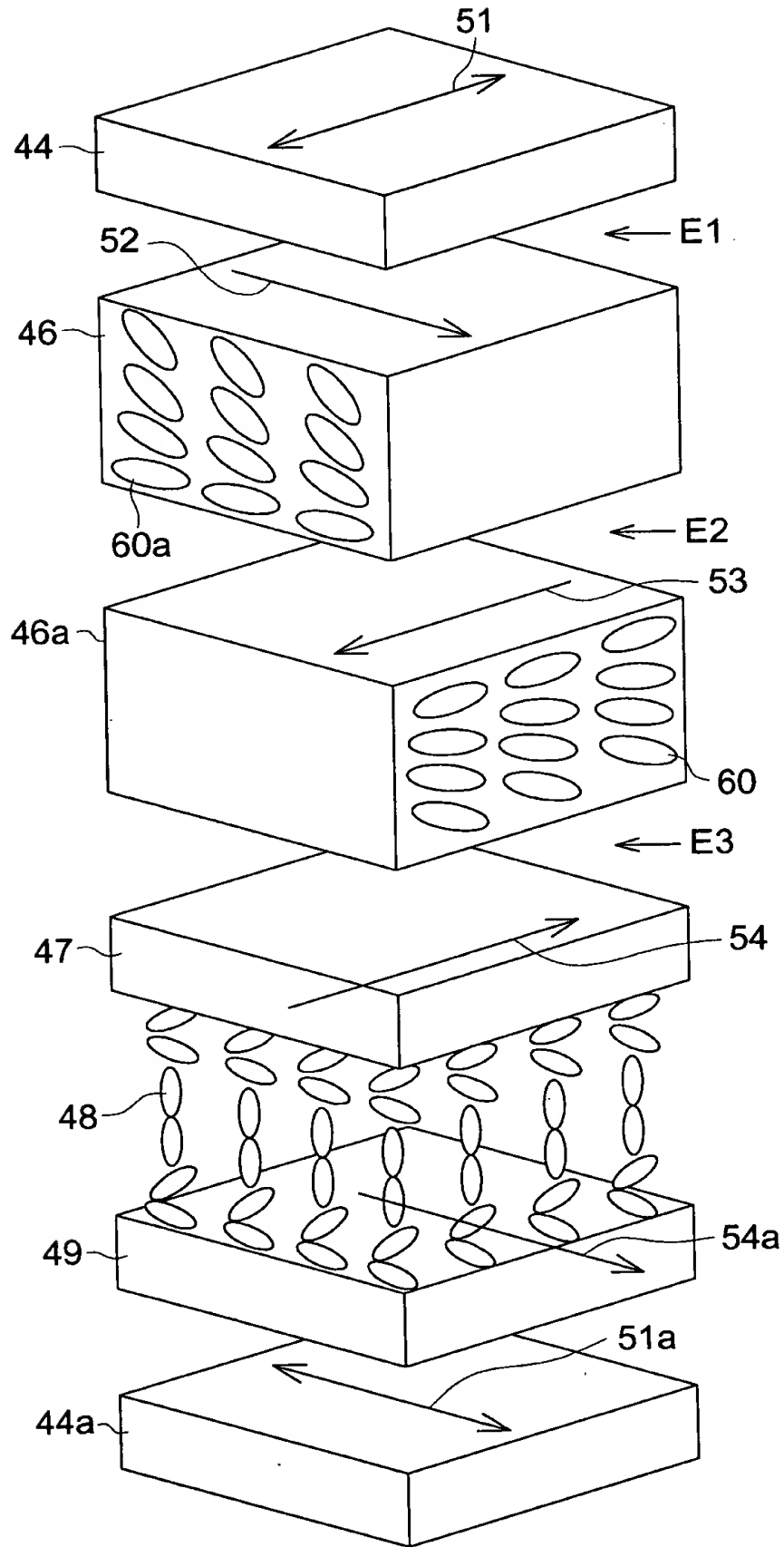
FIG. 15

FIG. 16



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FIG. 17



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FIG. 18

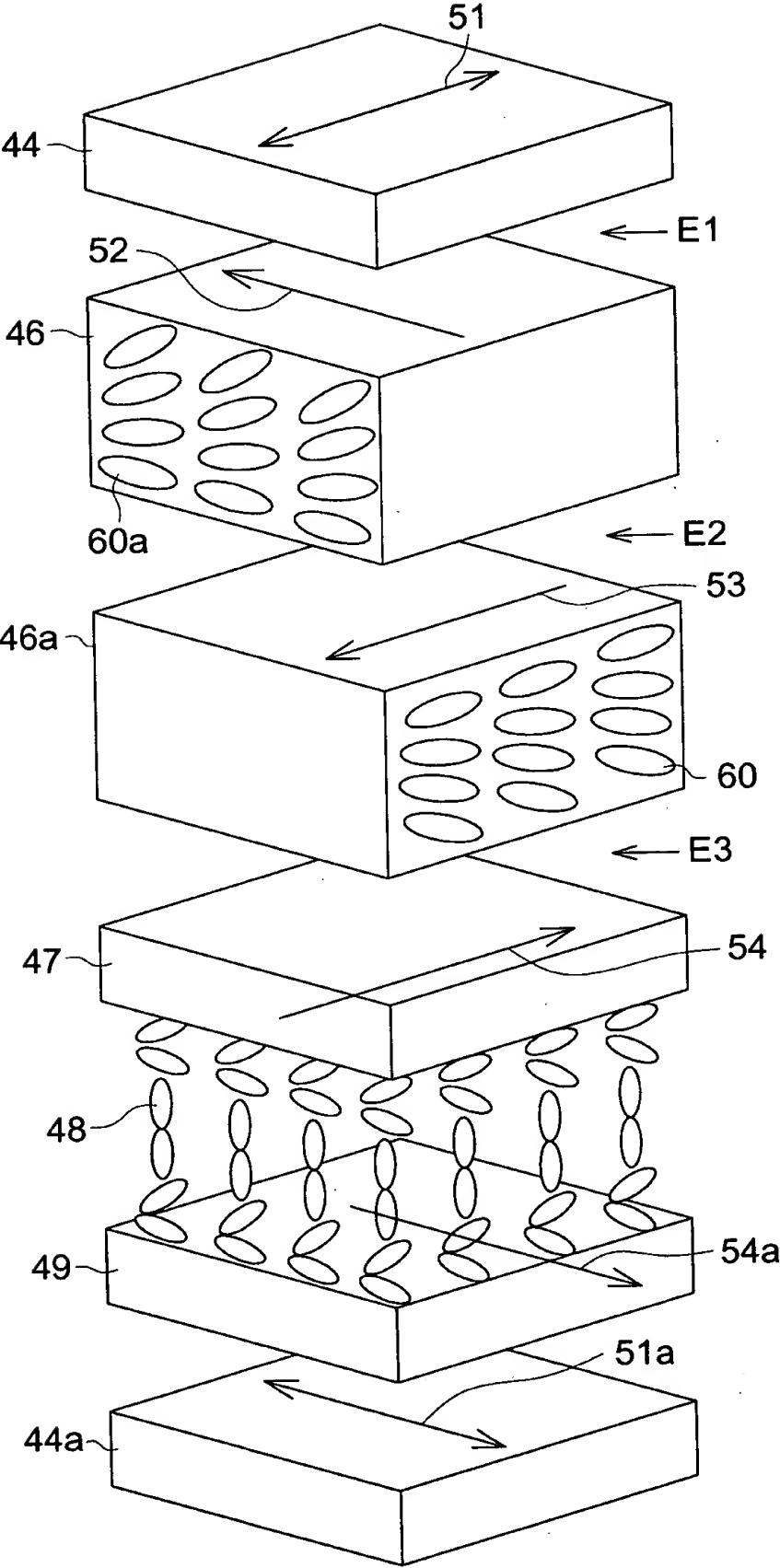


FIG. 18

FIG. 19

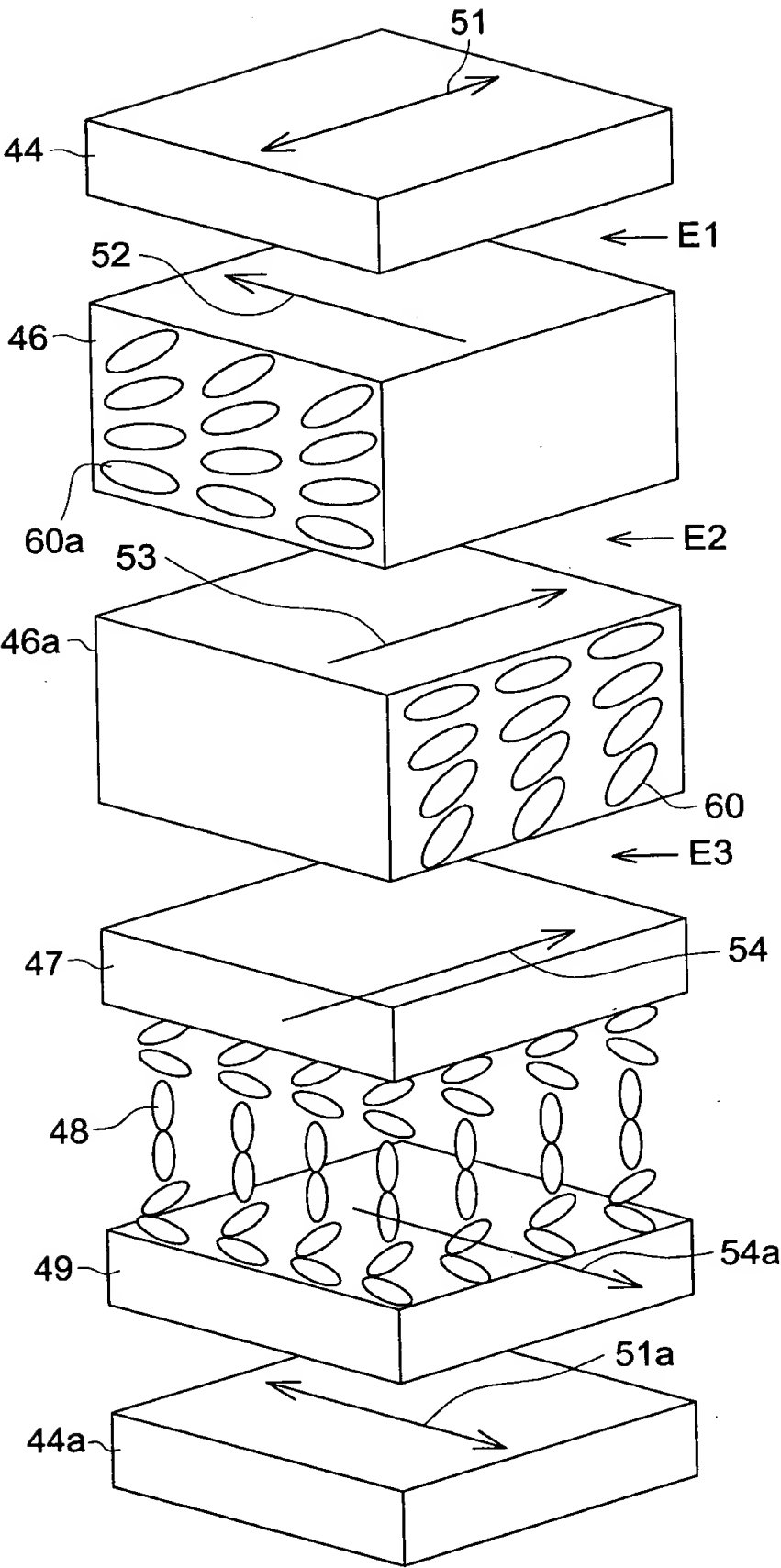


FIG. 19

FIG. 20

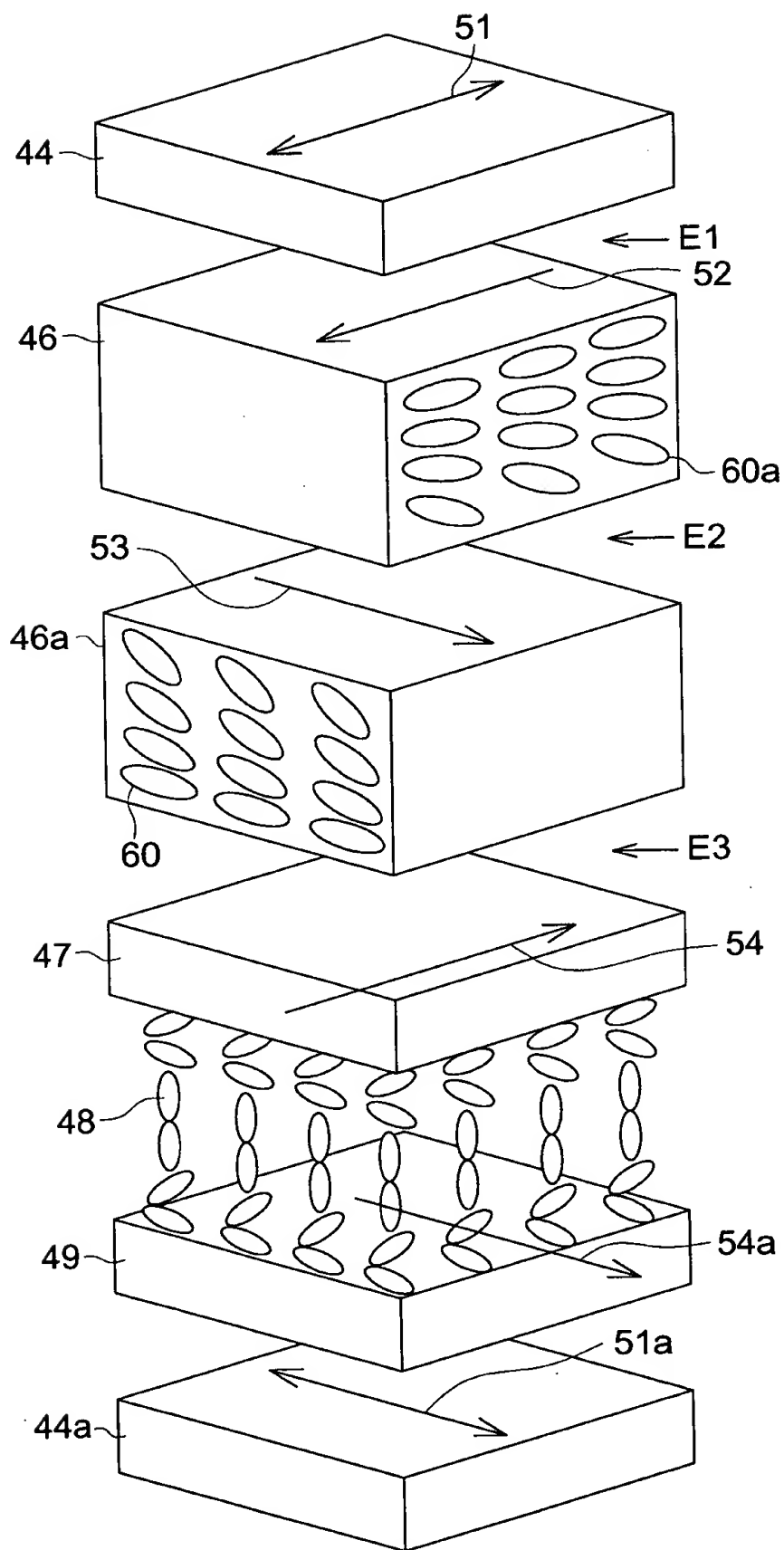
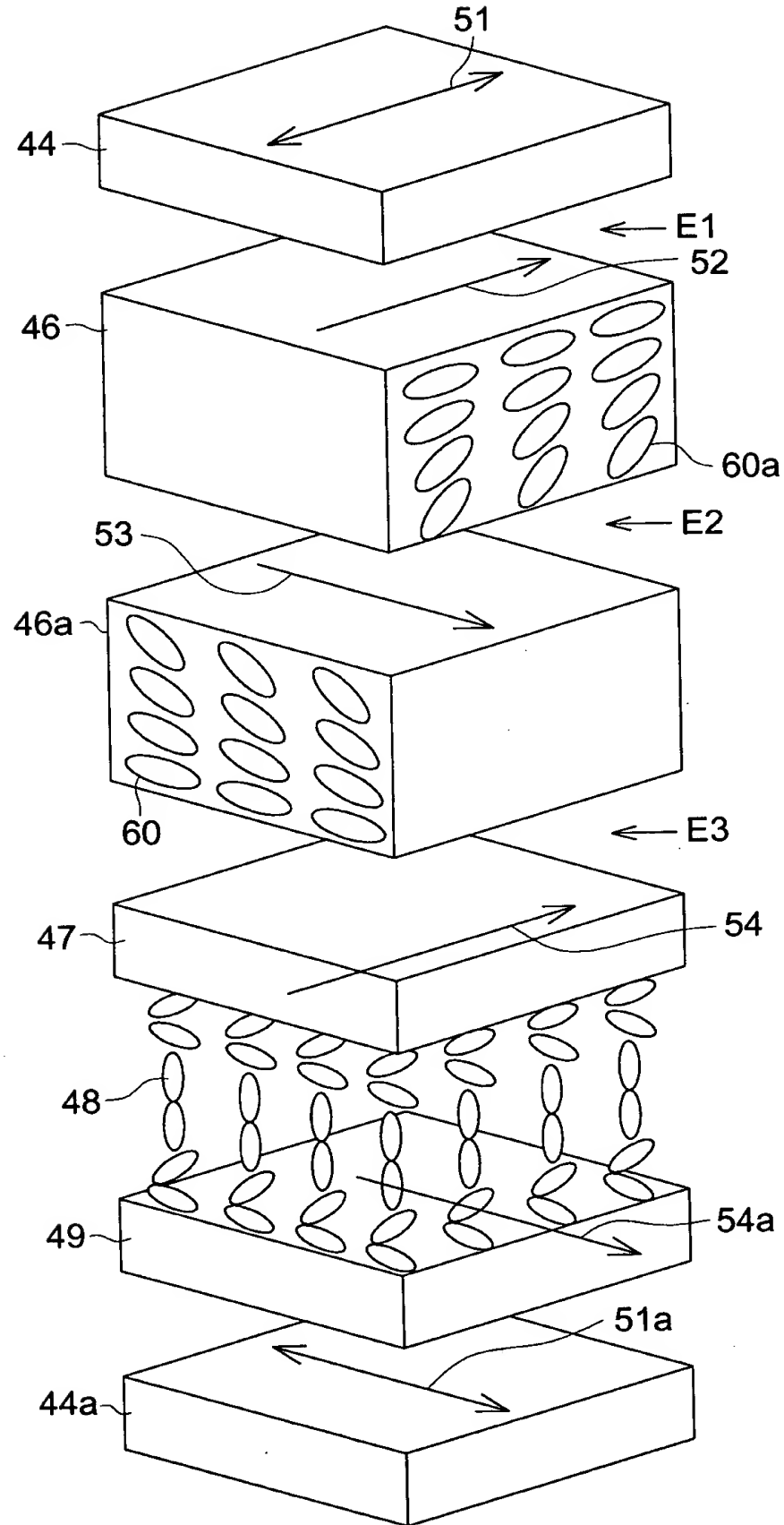


FIG. 20

FIG. 21



This exploded perspective view shows a multi-layered device. It consists of five main layers: a top solid layer (44) with a central channel (51) and arrows indicating flow; a porous layer (46) with vertical oval pores (60a) and a flow arrow (E1); another solid layer (53) with a central channel (52) and a flow arrow (E2); a porous layer (46a) with vertical oval pores (60) and a flow arrow (E3); and a bottom solid layer (47) with a central channel (54). Below the bottom solid layer is a porous layer (49) with vertical oval pores (54a) and a flow arrow (51a). The entire assembly is supported by a base layer (44a).

FIG. 23

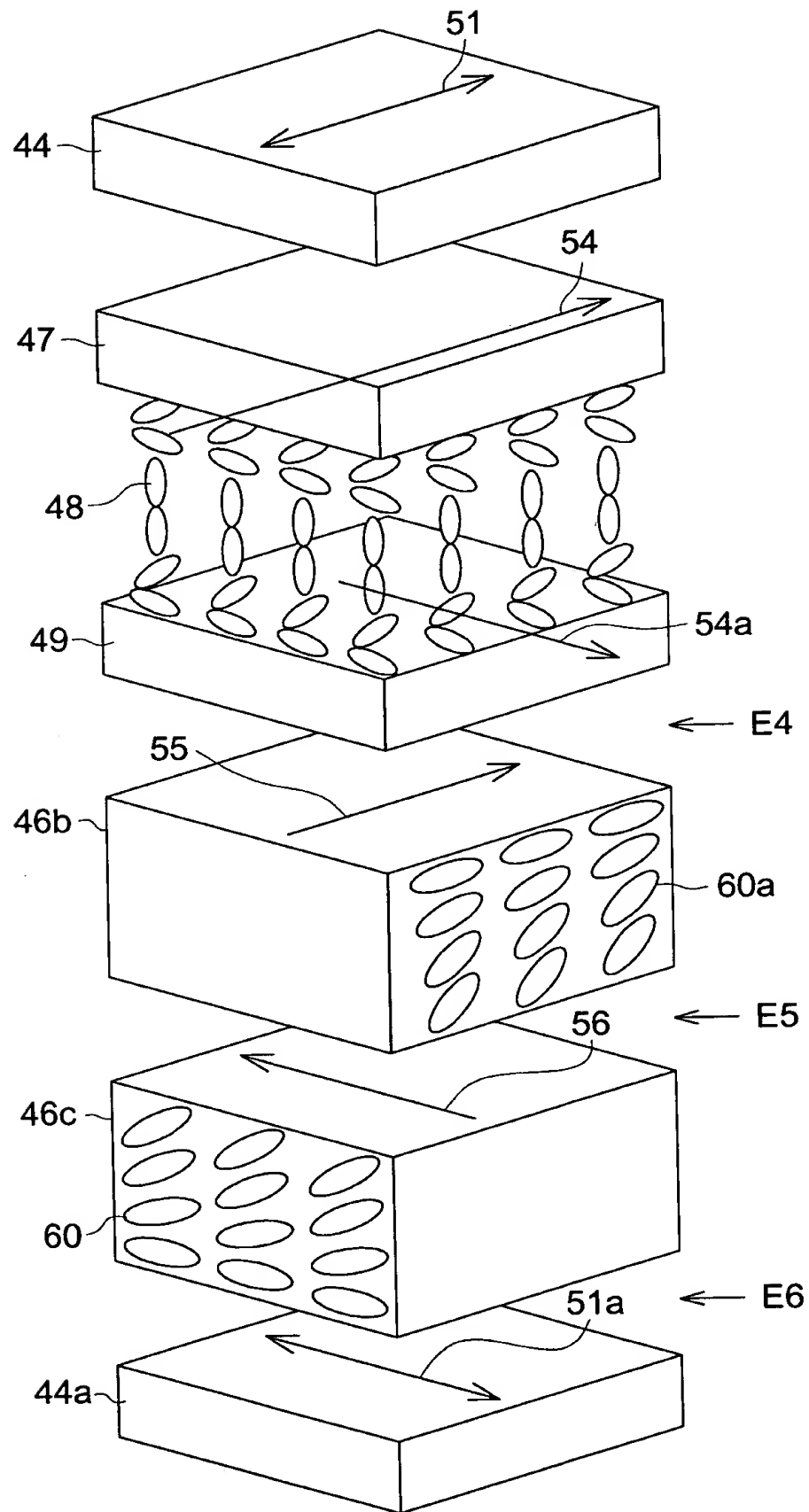


FIG. 23

FIG. 24

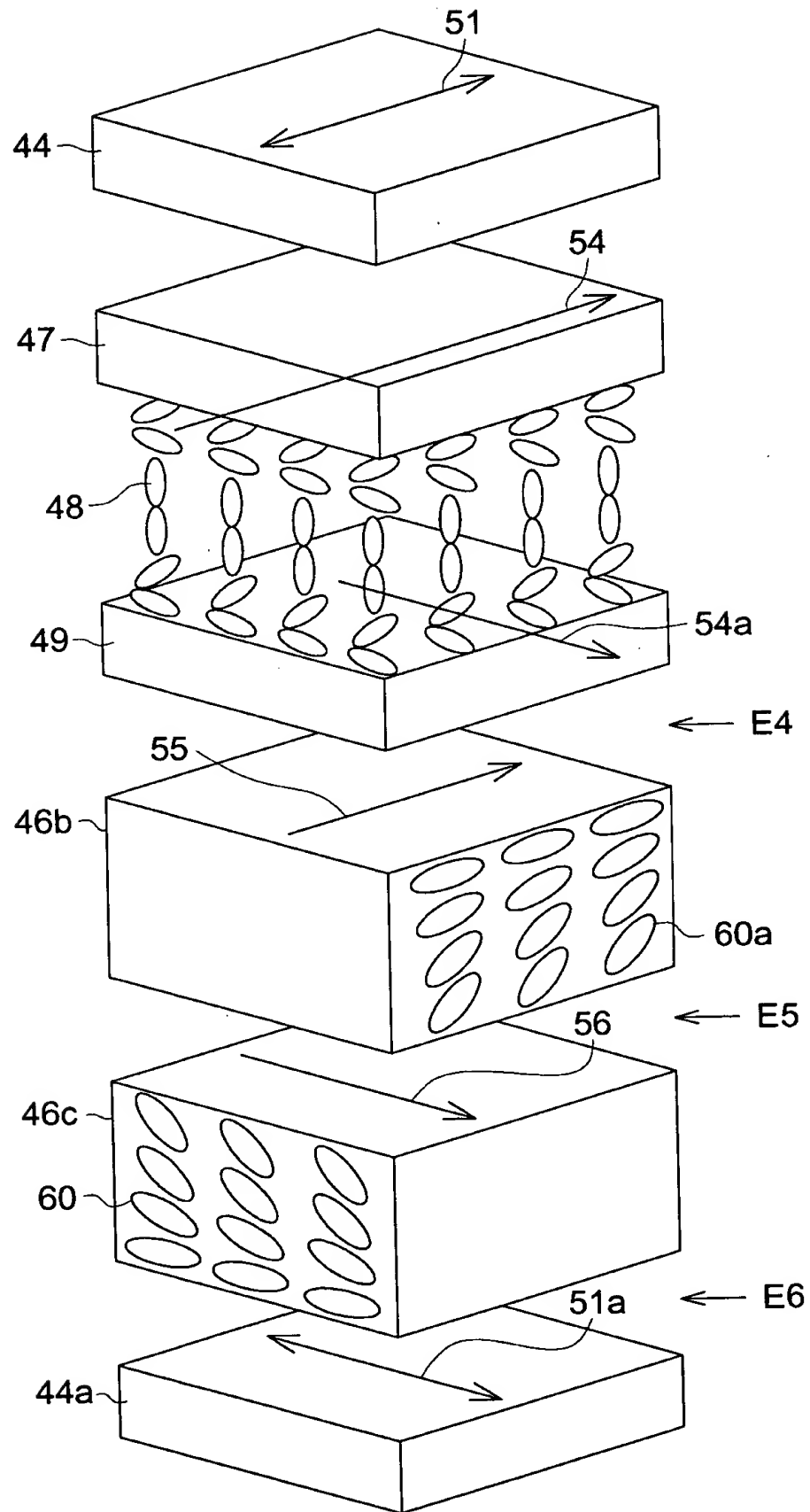


FIG. 24

FIG. 25

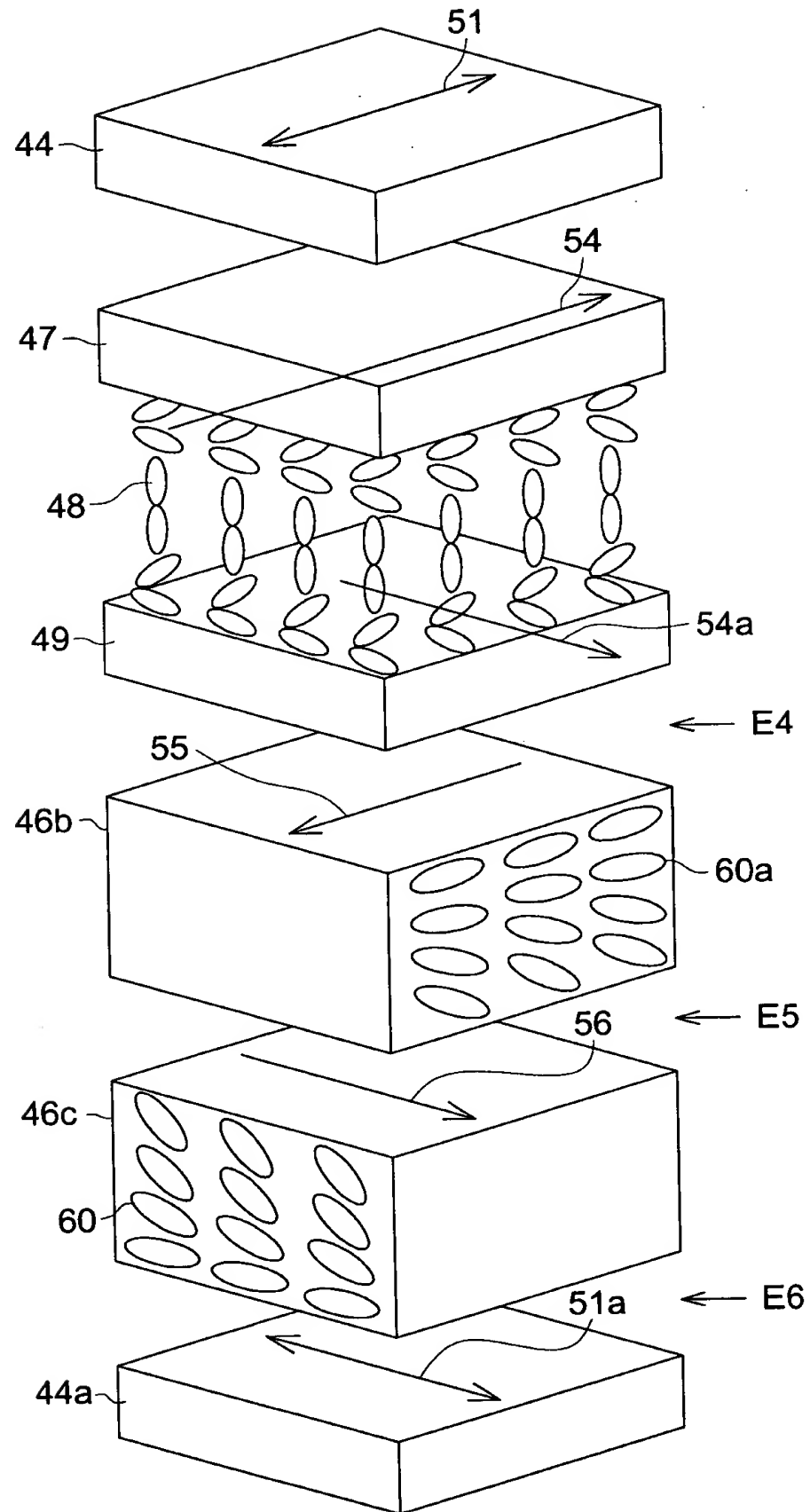
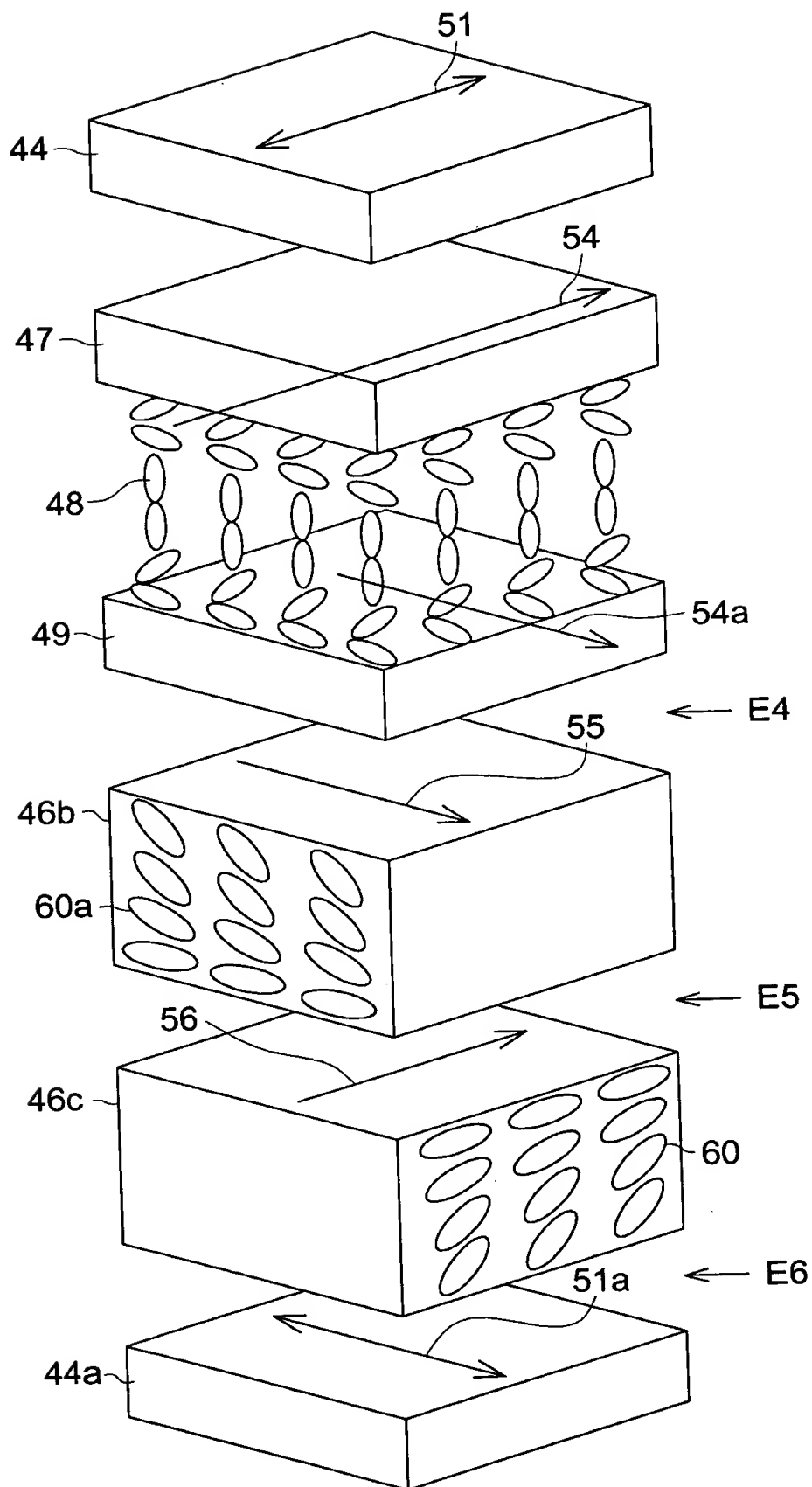


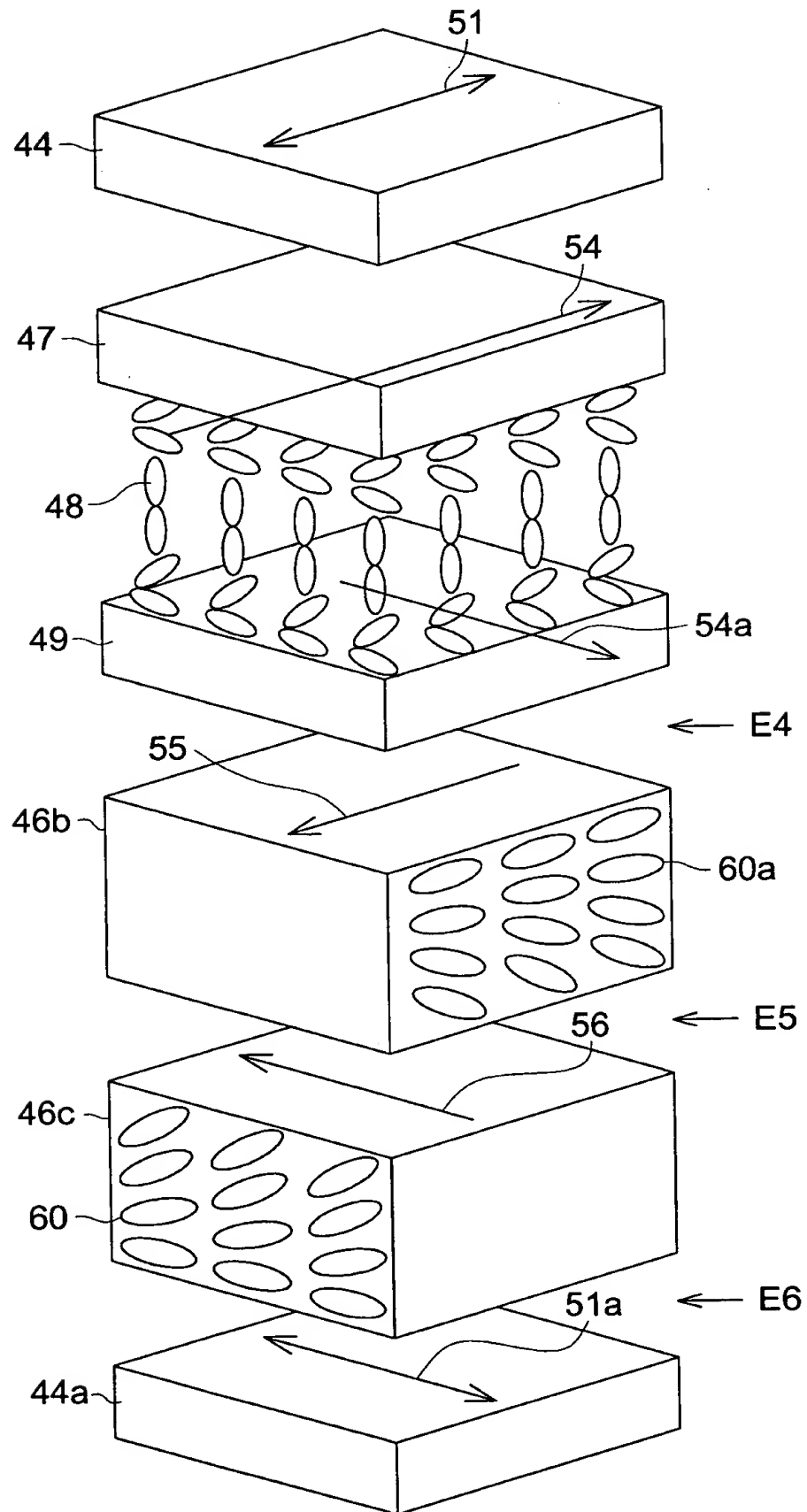
FIG. 25

FIG. 26



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FIG. 27



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FIG. 28

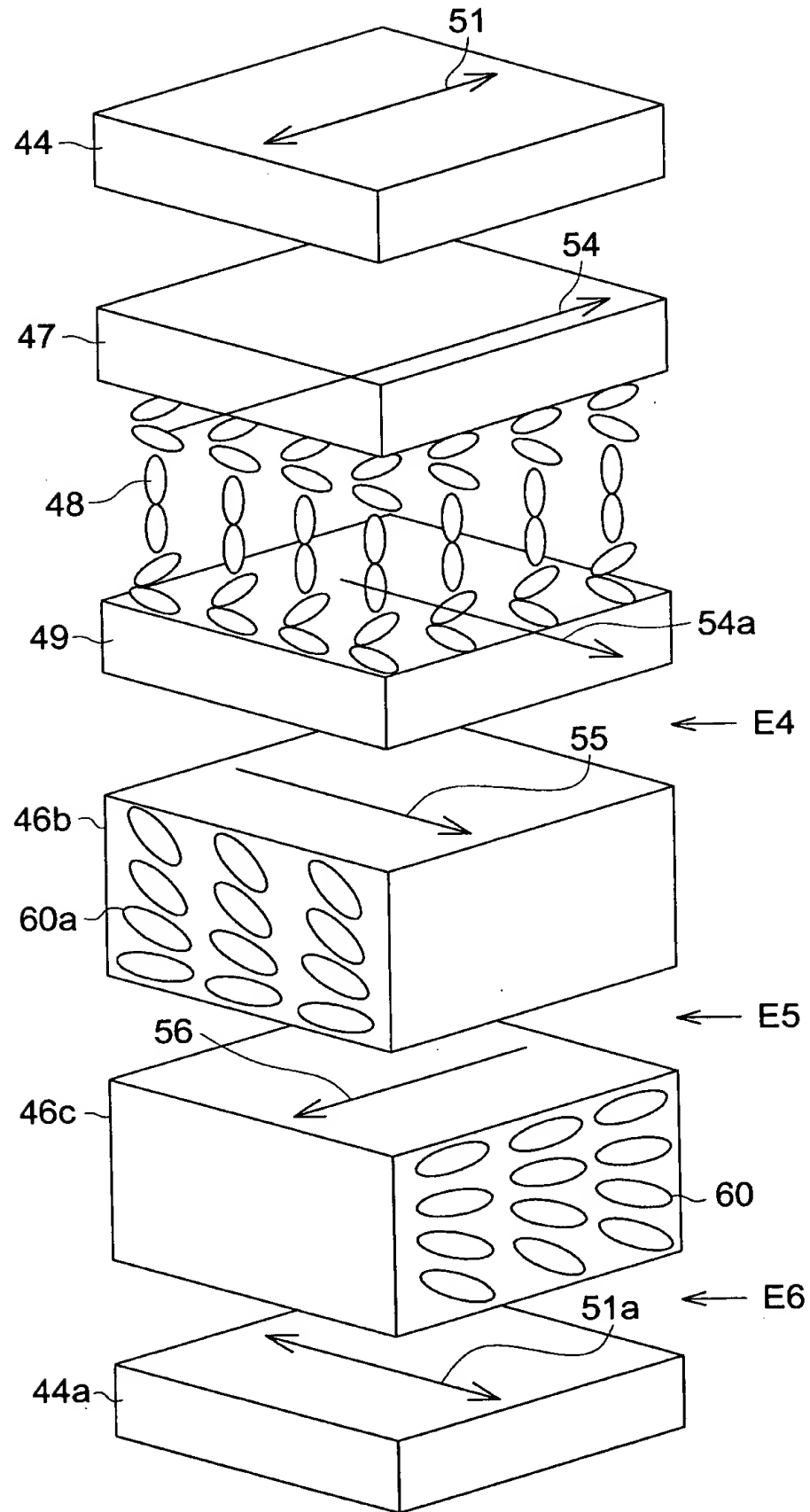
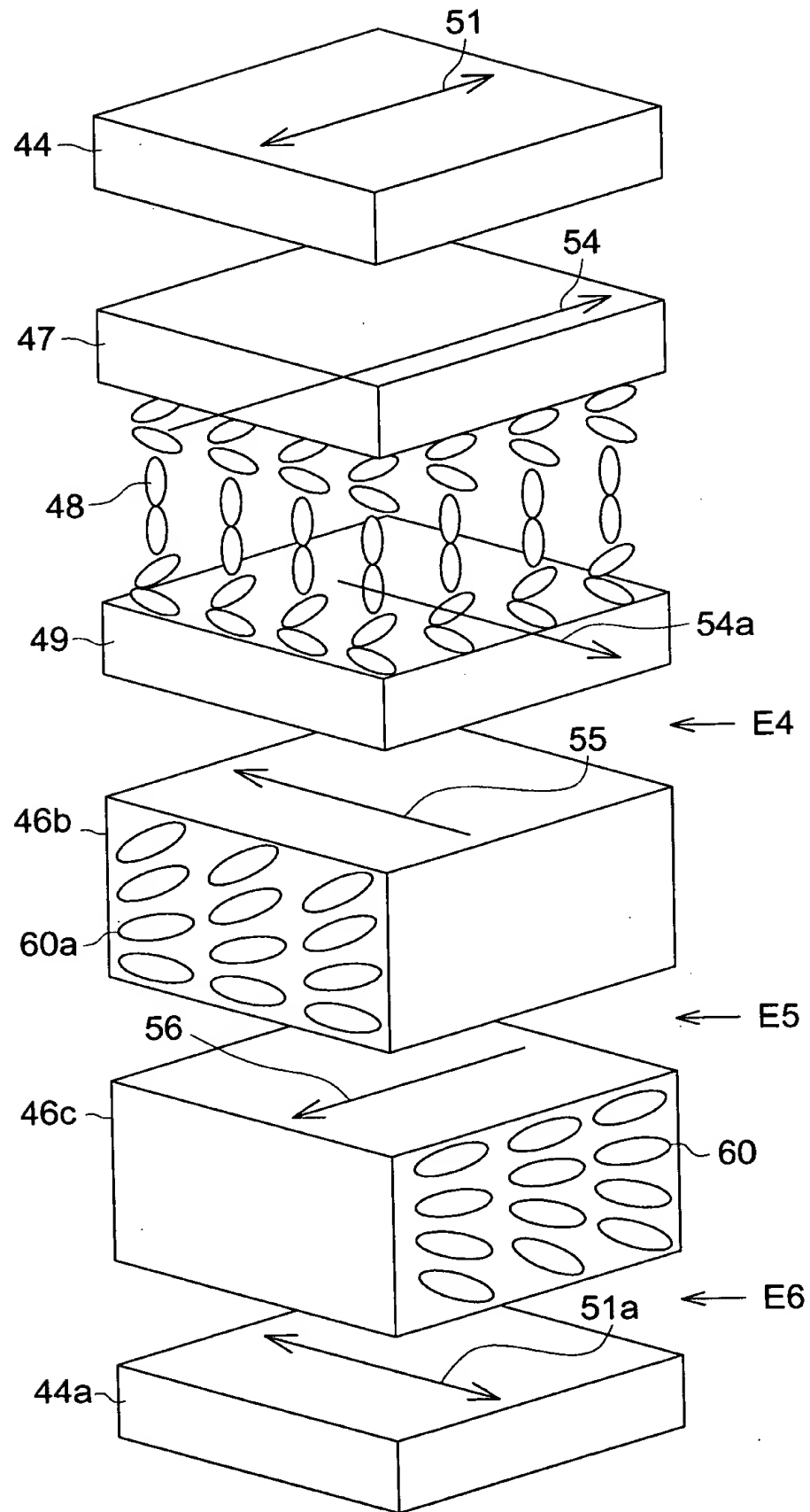


FIG. 28

FIG. 29



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FIG. 30

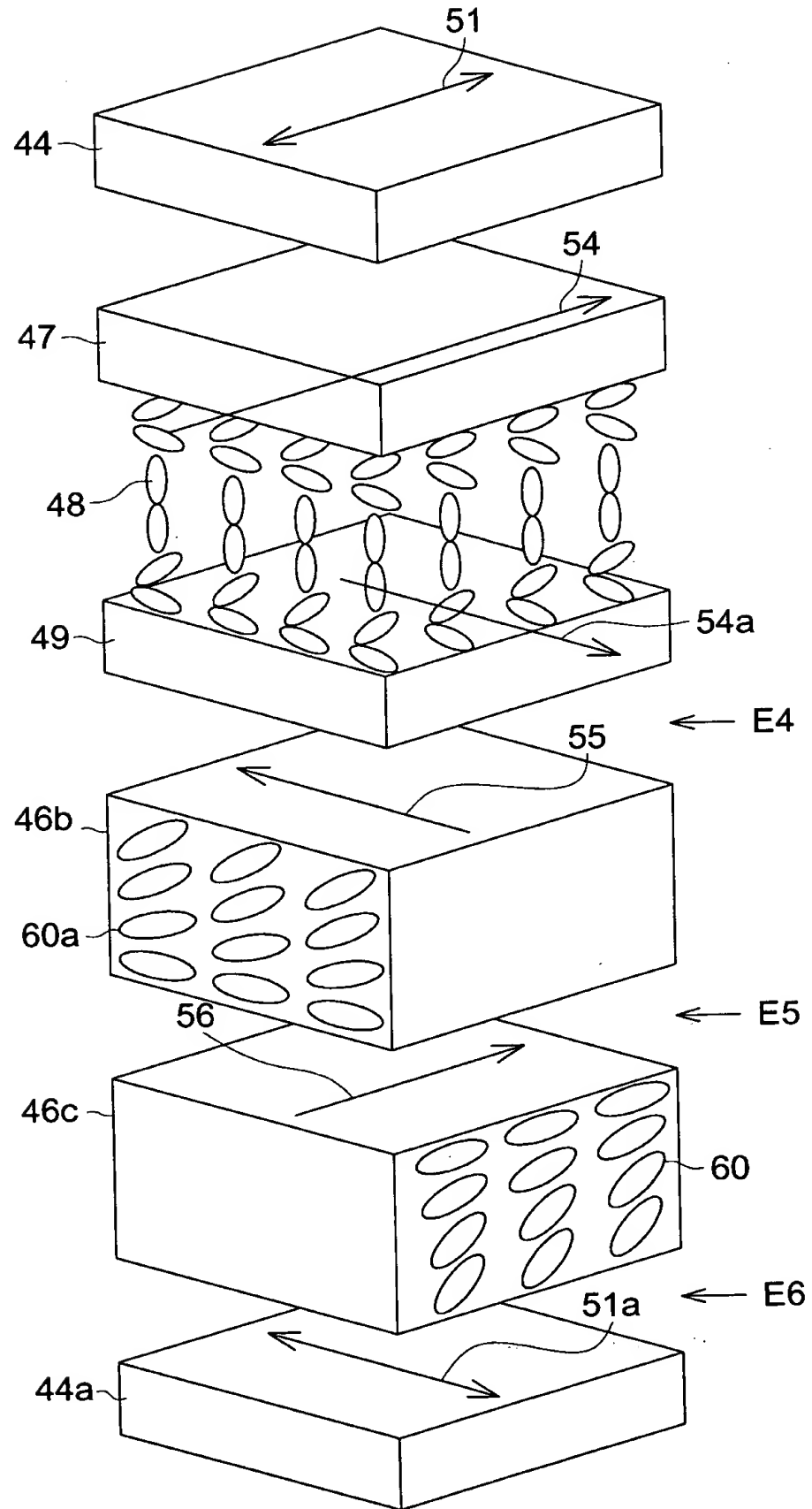
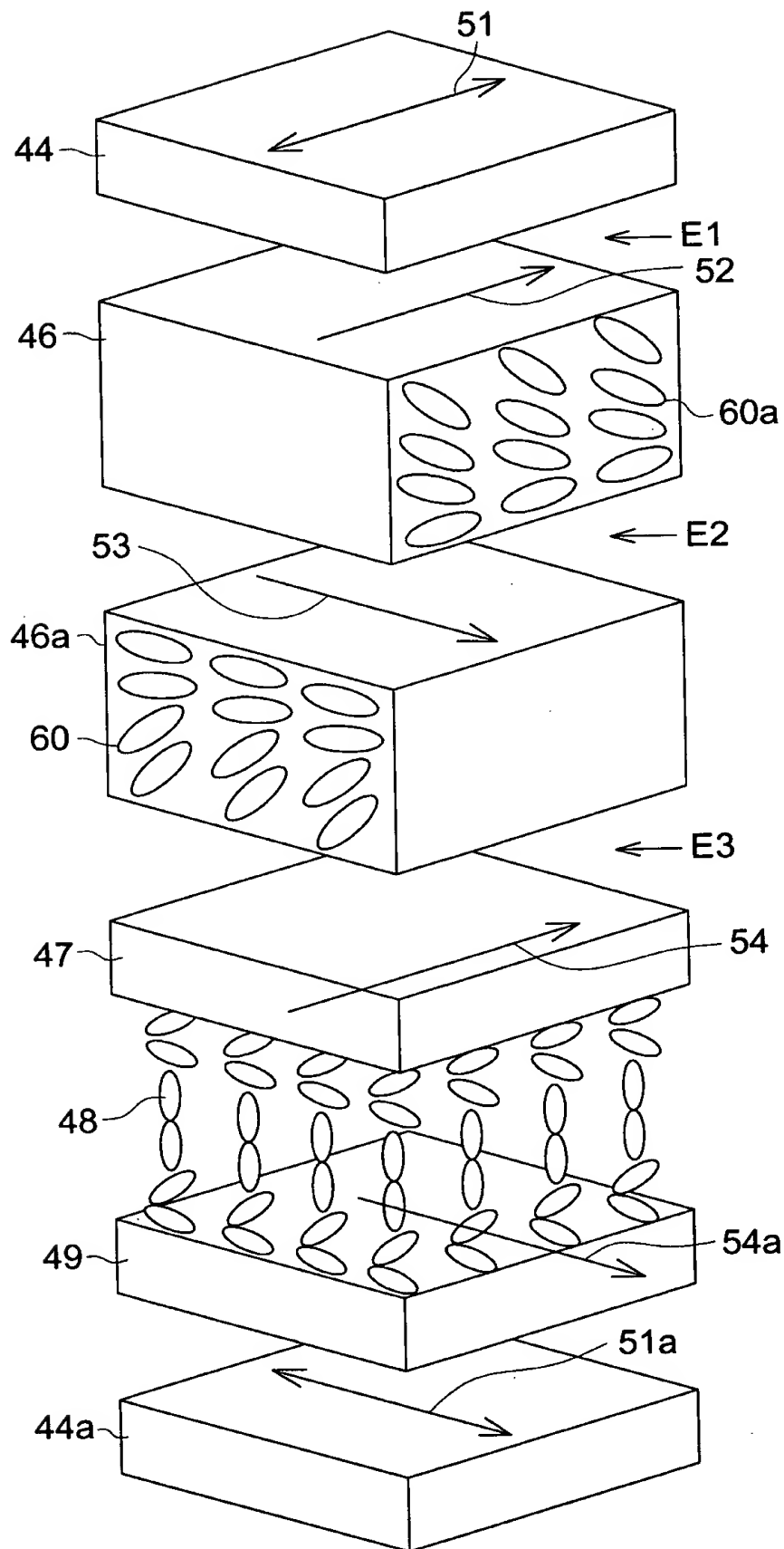


FIG. 30

FIG. 31



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FIG. 32

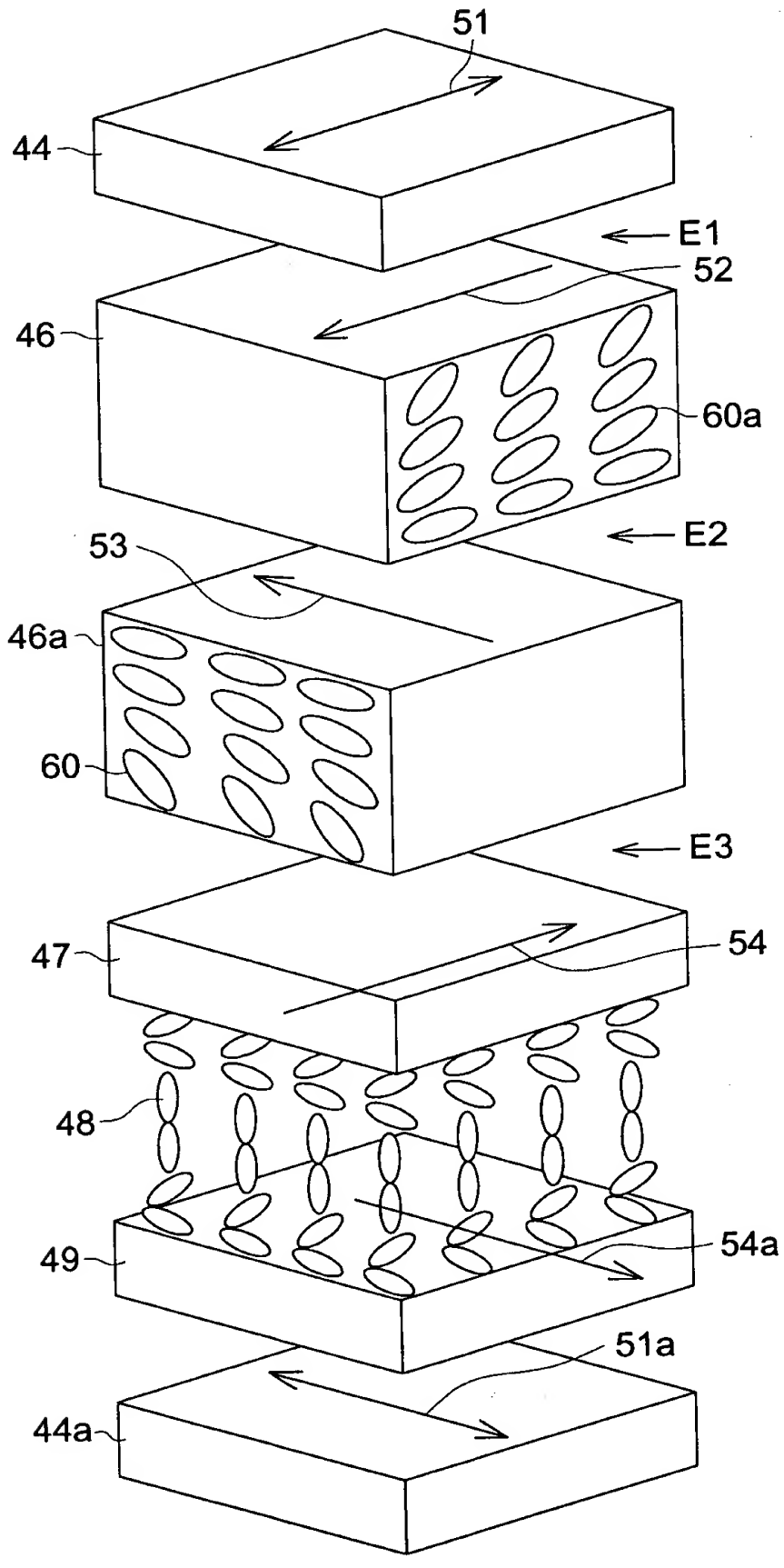
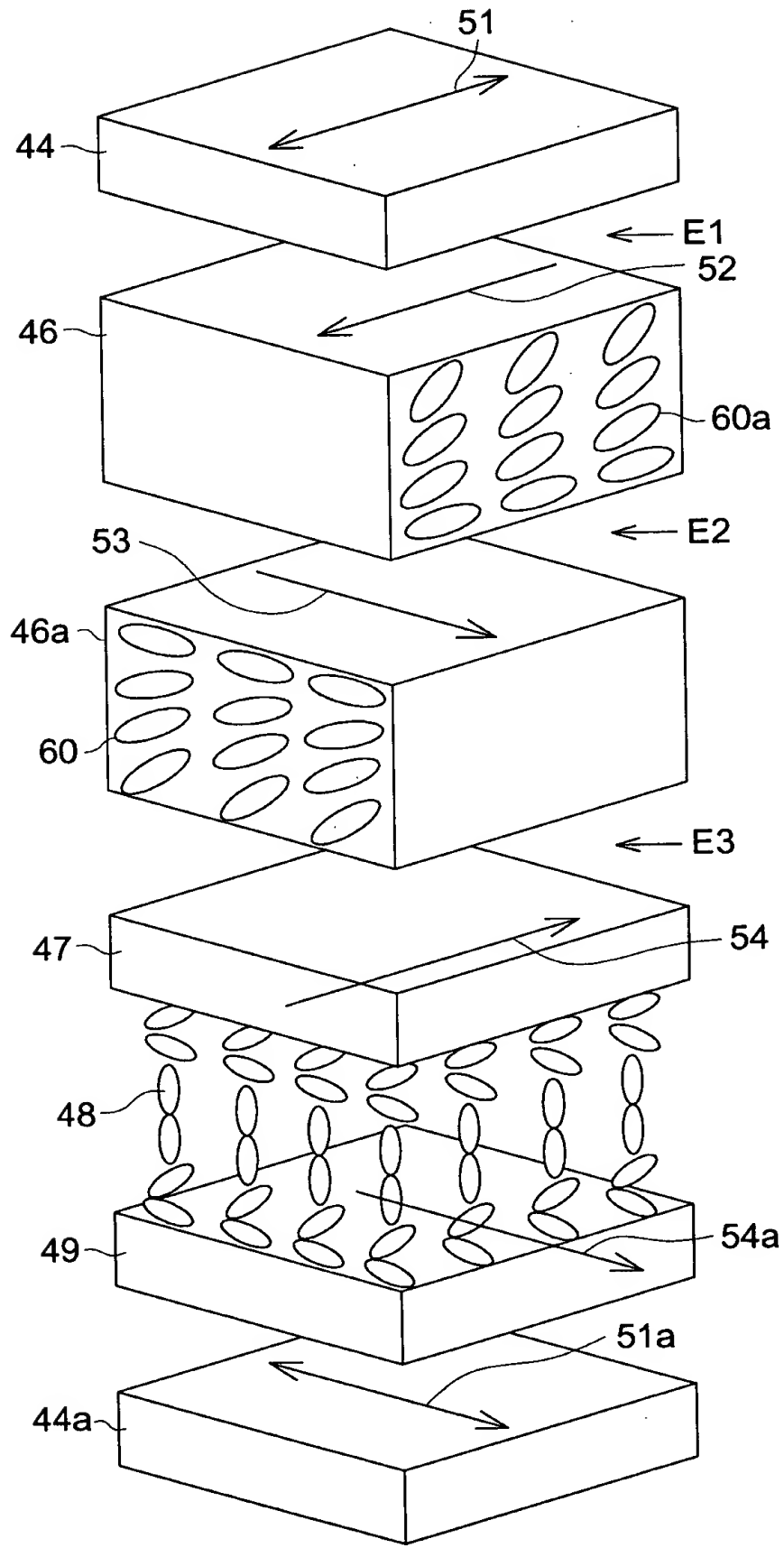


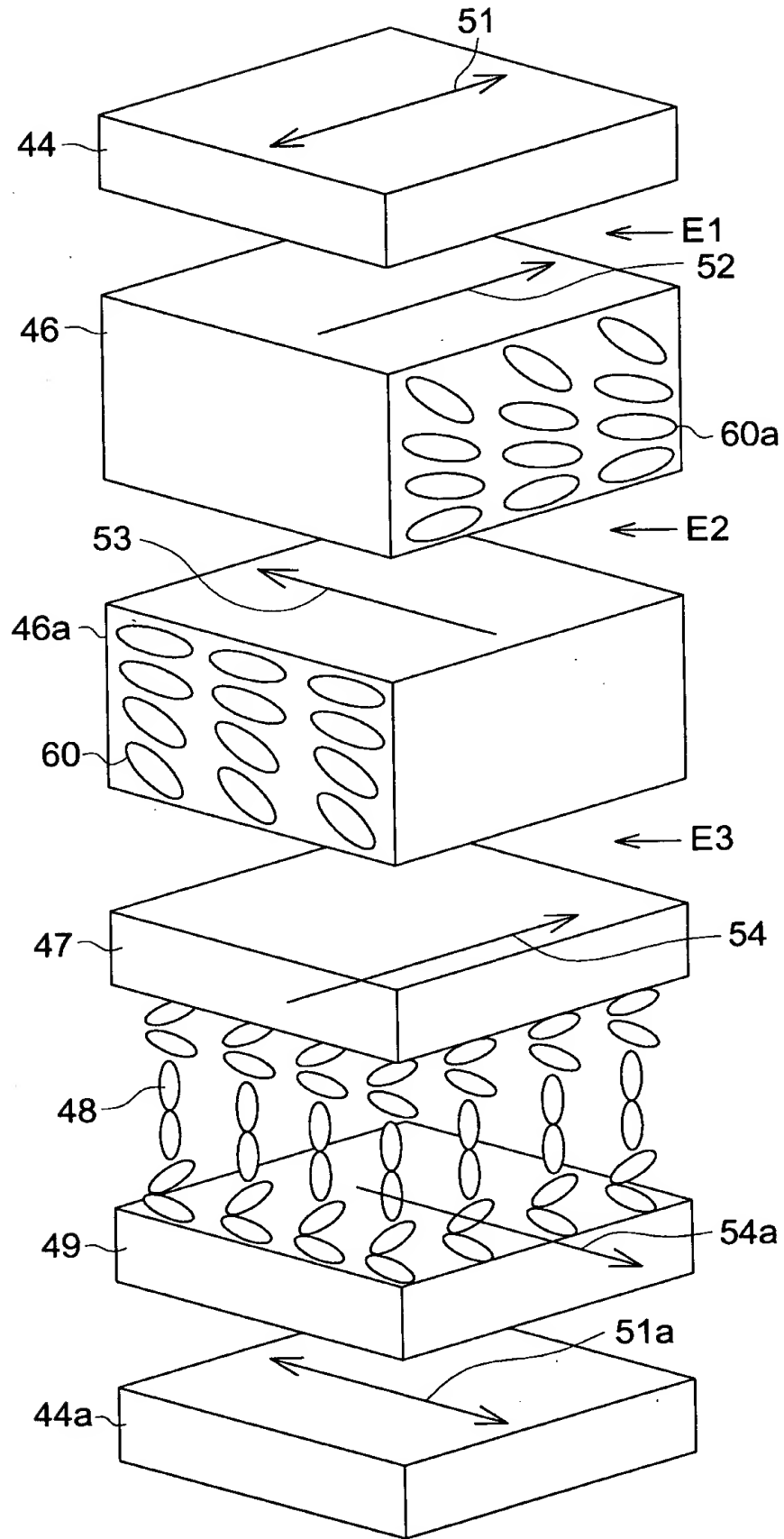
FIG. 32

FIG. 33



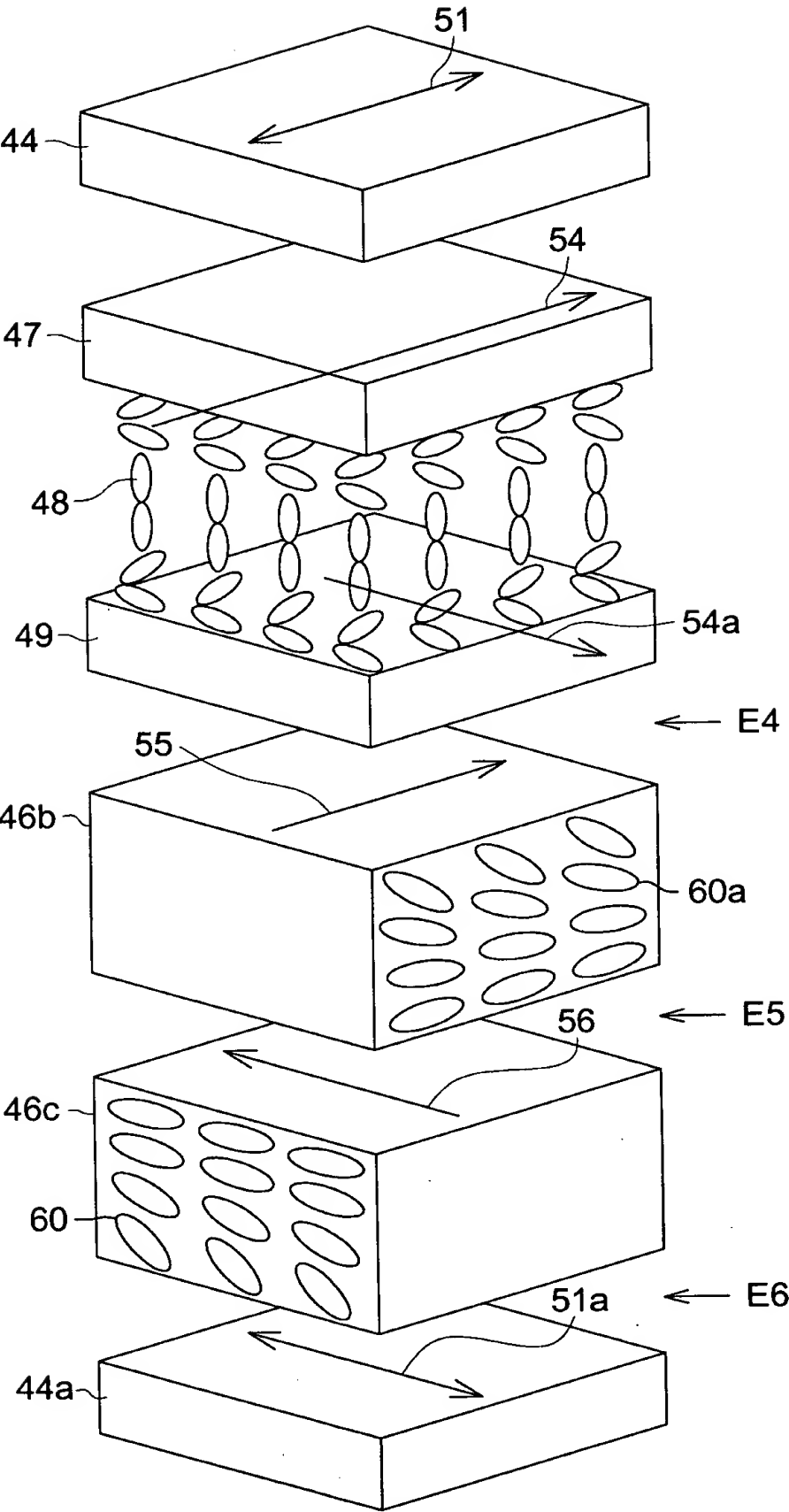
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FIG. 34



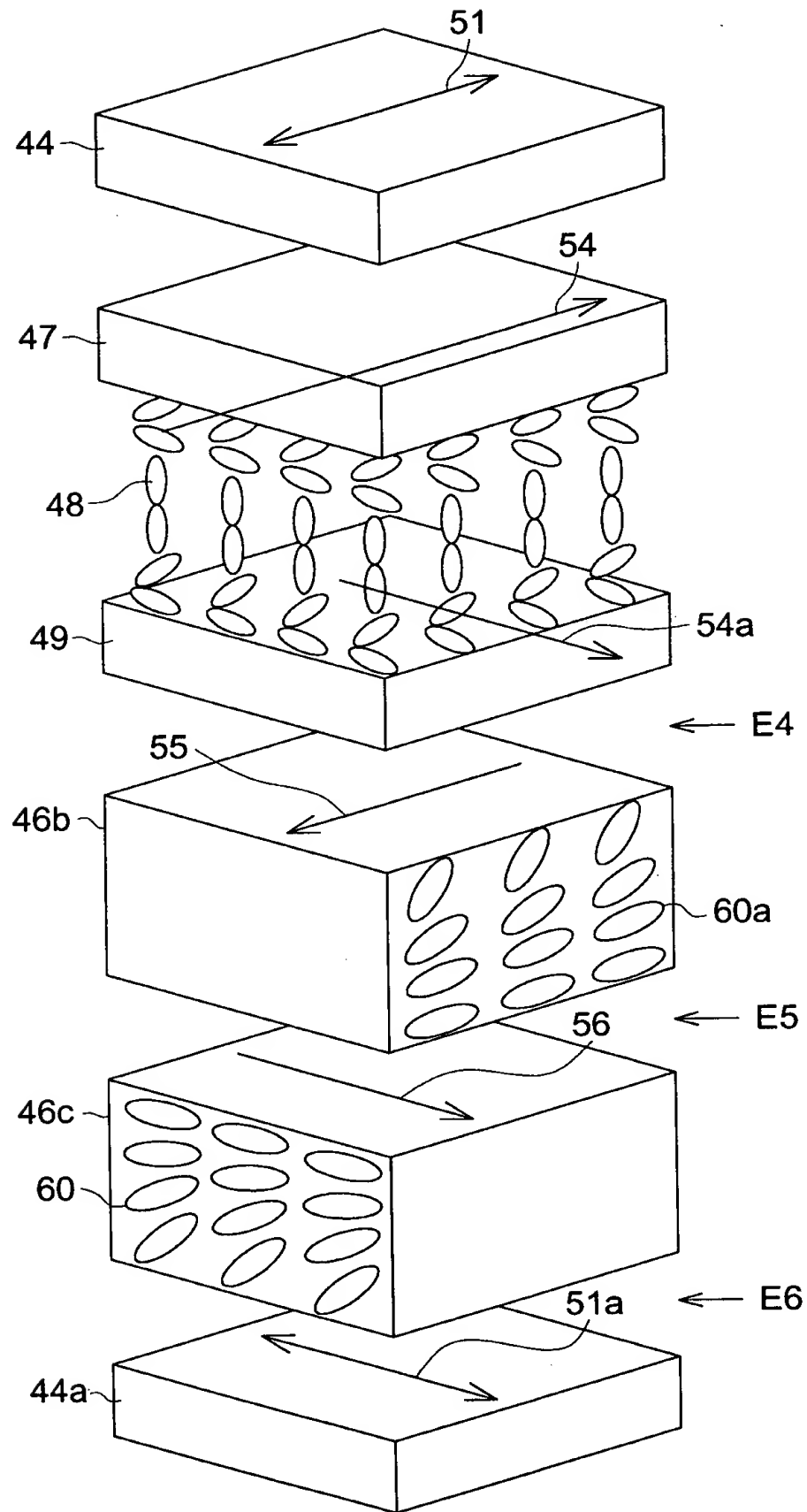
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 T06E0"0086T860

FIG. 35



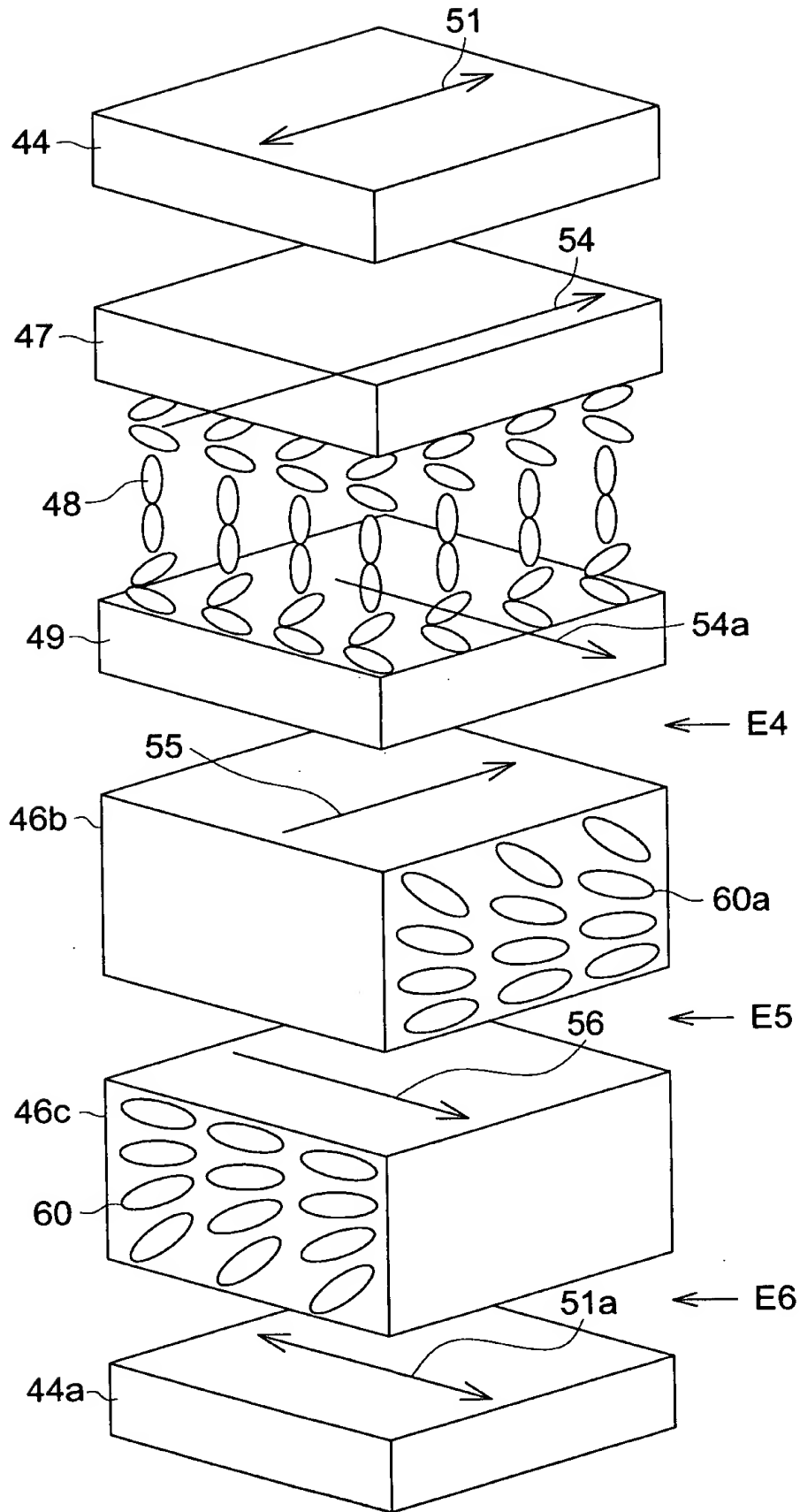
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TOP VIEW OF FIG. 35

FIG. 36



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FIG. 37



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 106230-00861860

FIG. 38

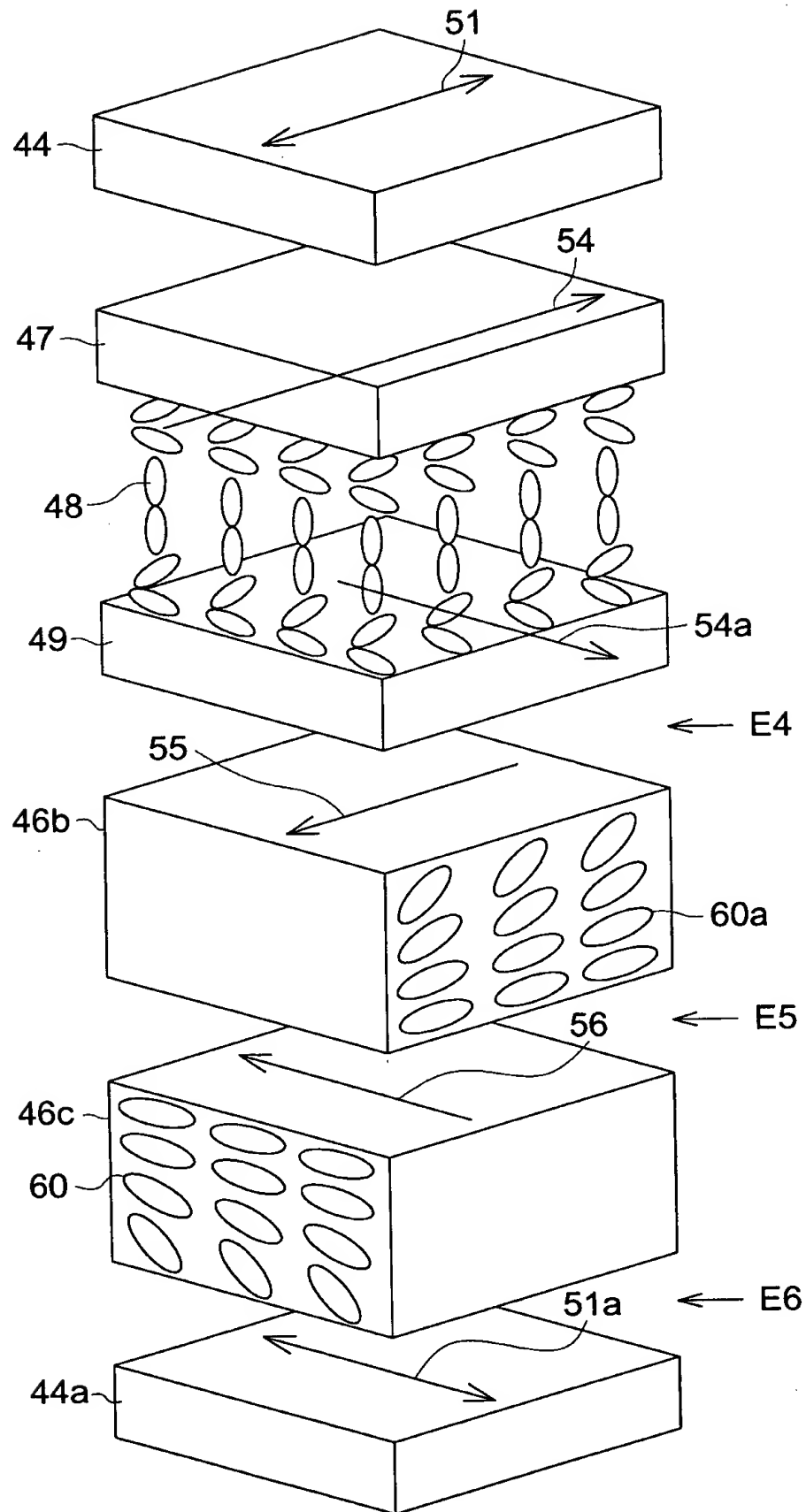


FIG. 38